

**ODE-Sinclair Credit Crosswalk: Engineering & Science Technologies**

**Engineering and Science Technologies (F6)**

**ARTICULATED**

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
Digital Electronics	N/A	EET 1198: Digital Technology	2	This course can only be captured via PLTW with scale score of 420 or stanine of 6. Both instructor and students MUST be PLTW. New FPS for AY 24-25 - Patrick Piper, patrick.piper@sinclair.edu
N/A		ISE 1201: Introduction to Manufacturing Safety	2	MSSC - Certified Production Technician (CPT) Certification or MSSC - Introduction to Manufacturing Safety Certificate
N/A		ISE 1202: Quality Practices & Measurement for Manufacturing	2	MSSC - Certified Production Technician (CPT) Certification or MSSC - Quality Practices and Measurement for Manufacturing
N/A		ISE 1203: Manufacturing Processes & Production	2	MSSC - Certified Production Technician (CPT) Certification or MSSC - Manufacturing Processes and Production
N/A		ISE 1204: Maintenance Awareness for Manufacturing	2	MSSC - Certified Production Technician (CPT) Certification or MSSC - Maintenance Awareness for Manufacturing
N/A		ISE 1300: Fundamentals of Dimensional Metrology	3	NEW! Credit option for AY 24-25, FPS - Cole Glover, cole.glover@sinclair.edu
N/A		ISE 2240: Six Sigma: Green Belt	3	The student must supply proof of earning a Six Sigma Green Belt Credential
Computer Integrated Manufacturing	175006	MET 1231: Introduction to Engineering Design Using 3D CAD	4	
N/A		MET 1301: SolidWorks Basics	4	Proof of Solidworks certification required for credit. New FPS for AY 24-25 - Michael Neal, michael.neal@sinclair.edu
		MET 1401: Additive Design and Printing	3	NEW! Credit option for AY 24-25, FPS - Michael Neal, michael.neal1@sinclair.edu. Course includes 3-D printing.

**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	
Computer Software	145030	CTIT005 - Intro Desktop O.S.	CIS 1107: Introduction to Operating Systems	3	
Computer Software	145030 and	CTIT011 - MS Windows Desktop OS	CIS 1510: Windows Client Operating System	3	
Network Operating Systems	145040				
Computer Software	145030	CTIT014 - PC Operating System/A+	CIS 2731: A+ Hardware & Software	4	
Computer Hardware	145025 and				
Digital Electronics	175007	CTEET002 - Digital Electronics	EET 1131: Digital Electronics	4	
DC Electronic Circuits	175105	CTEET001 - DC Circuits	EET 1150: DC Circuits	4	
Energy Systems Management	010715	CTAE001 - Introduction to Alternative and Renewable Energy	EGV 1101: Alternate & Renewable Energy Sources	3	
Computer Integrated Manufacturing	175006	CTMET005 - Computer Aided Drafting and Design (CADD)	MET 1231: Introduction to Engineering Design Using 3D CAD	4	

PROFICIENCY NON-PLTW				
ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		CAM 1107: Introduction to Mechanical Drafting with CAD	3	
N/A		CAM 1108: Machine Shop Fundamentals	3	
Machine Tools	176004	CAM 1109: Fundamentals of Tooling & Machining	3	
N/A		CAM 1110: Advanced Machine Operations	3	
Plan Reading and Estimating	178019	CAT 1401: Construction Cost Estimating	3	