	ODE-Si	nclair Credit Crossy	valk: Engineering & Science 1	Technologies	
	022 01		and Science Technologies (F6)	Comiciogico	
			ARTICULATED		
ODE Course	Subject Code		Sinclair Course	Credit Hours	Notes
Digital Electronics	N/A		98: 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.
N/A			uction to Manufacturing Safety	2	MSSC - Certified Production Technician (CPT) Certification or MSSC - Introduction to Manufacturing Safety Certificate
N/A		i	/ 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: Maintena	nce 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.
		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		
Network Operating Systems	145040	·	,	3	
Computer Software	145030	CTIT014 - PC Operating System/A+	CIS 2731: A+ Hardware & Software	4	
Computer Hardware	145025 and	5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -			
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						

			Robotics (F7)		
			ARTICULATED		
ODE Course	Subject Code	Sinclair Course		Credit Hours	Notes
Hydraulics and Pneumatics	010225	EGR 1217: Fluid Power & Control		2	Proof of passing WebXam Score required for credit.
Industrial Robotics	176025	EGR 2252: Teach Pendant Robot Programming		3	Proof of passing WebXam Score required for credit.
			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 Computer Hardware	145030 145025 and	CTIT014 - PC Operating System/A+	CIS 2731: A+ Hardware & Software	4	
DC Electronic Circuits	175105	CTEET001 - DC Circuits	EET 1150: DC Circuits	4	
Digital Electronics	175007	CTEET002 - Digital Electronics	EET 1131: Digital Electronics	4	
			PROFICIENCY		
ODE Course	Subject Code	Sinclair Course		Credit Hours	Notes
Plan Reading and Estimating	178019	CAT 1401: Construction Cost Estimating		3	
		General Tech	Prep Courses for All Pathways		
The following are general to	ech prep courses		but often paired with courses in this pa	thway These c	ourses may be taught by academic
e ieneming and general to	эс., р. ор ос а. ссс	aramazio to an panimajo	CTAG		ourses may be taugin by assusinis
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Current and valid OSHA 10-hour safety card		CTS001 - Safety	CAT 1431: OSHA Construction Standards 10 Hour	1	
005.0		1	PROFICIENCY		
ODE Course	Subject Code	Sinclair Course		Credit Hours	Notes
N/A		BIS 1400: Customer Service		3	
N/A		MAT 1110: Math for Technologists		3	
N/A		MET 1131: Personal Co	omputer Applications for Engineering	1	