

ODE-Sinclair Credit Crosswalk: Manufacturing Technologies

Manufacturing Operations (R7)

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
N/A		OPT 1100	Tooling and Machining Metrology	2	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.
N/A		CAM 1107	Principles of Manufacturing	3	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.
~Machine Tools	~176004	CAM 1109	Fundamentals of Tooling and Machining	3	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.
N/A		CAM 1110	Advanced Machine Operations	3	Course syllabi and resources available to all instructors in the CAM Community on eLearn (contact your Pathway Manager for access). A student must be able to grind square and parallel to within ± 0.0004 and be able to show this ability along with a letter of support from their instructor.

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
N/A		MET 1301	*SolidWorks Basics	4	Proof of Solidworks certification required for credit.
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	2	Proof of passing WebXam Score Required for Credit

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
Computer Integrated Manufacturing	175006	CTMET005	MET 1371	CAD Concepts Using AutoCAD	3	
Digital Electronics	175007	CETE002	EET 1131	Digital Electronics	5	
Manufacturing Operations	175003	CTMET004 - Manufacturing Processes	OPT 2205	Manufacturing Processes	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.

PROFICIENCY

<i>ODE Course</i>	<i>Subject Code</i>	<i>Sinclair Course</i>	<i>Sinclair Course Name</i>	<i>Credit Hours</i>	<i>Notes</i>
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	

CTAG

<i>ODE Course</i>	<i>Subject Code</i>	<i>CTAN</i>	<i>Sinclair Course</i>	<i>Sinclair Course Name</i>	<i>Credit Hours</i>	<i>Notes</i>
Current and valid OSHA 10-hour safety card		CTS001 - Safety	CAT 1431	OSHA Construction Standards 10 Hour	1	