

ODE-Sinclair Credit Crosswalk: Manufacturing Technologies

Manufacturing Operations (R7)

PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|----------------|--------------|-----------------|---------------------------------------|--------------|---|
| N/A | | CAM 1107 | Principles of Manufacturing | 3 | <i>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.</i> |
| N/A | | CAM 1108 | Machine Shop Fundamentals | 3 | |
| ~Machine Tools | ~176004 | CAM 1109 | Fundamentals of Tooling and Machining | 3 | <i>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.</i> |
| N/A | | CAM 1110 | Advanced Machine Operations | 3 | <i>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.</i> |

ARTICULATED

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---------------------------|--------------|-----------------|---|--------------|---|
| N/A | | MET 1301 | *SolidWorks Basics | 4 | <i>Proof of Solidworks certification required for credit.</i> |
| Hydraulics and Pneumatics | 010225 | EGR 1217 | Fluid Power & Control | 2 | <i>Proof of passing WebXam Score Required for Credit</i> |
| Industrial Robotics | 176025 | EGR 2252 | Teach Pendant Robot Programming | 2 | <i>Proof of passing WebXam Score Required for Credit</i> |
| N/A | | ISE 2240 | Six Sigma | 3 | NEW! Please refer to Need to Know document for additional information. |
| N/A | | ISE 1201 | Introduction to Safety | 2 | NEW! Please refer to Need to Know document for additional information. |
| N/A | | ISE 1202 | Quality Practices and Measurement for Manufacturing | 2 | NEW! Please refer to Need to Know document for additional information. |
| N/A | | ISE 1203 | Manufacturing Processes and Production | 2 | NEW! Please refer to Need to Know document for additional information. |
| N/A | | ISE 1204 | Maintenance Awareness for Manufacturing | 2 | NEW! Please refer to Need to Know document for additional information. |

CTAG

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---------------------|--------------|----------|-----------------|----------------------|--------------|-------|
| Digital Electronics | 175007 | CTEET002 | EET 1131 | Digital Electronics | 5 | |

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|-----------------------------------|--------|--|----------|---|---|--|
| Computer Integrated Manufacturing | 175006 | CTMET005 - Computer Aided Drafting and Design (CADD) | MET 1231 | Introduction to Engineering Design Using 3D CAD | 4 | |
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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

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|------------|--------------|-----------------|---|--------------|-------|
| 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

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