# ODE-Sinclair Credit Crosswalk: General Course Offerings

*The following are general tech prep courses available to all pathways. These courses may be taught by academic instructors.*

## ARTICULATED

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Principles of Allied Health | 072035 | ALH 1130 or | Basic Life Support Training for Healthcare Provider | 1 | *Two cards required for credit: a card for AHA Basic Life Support for Healthcare Provider AND AHA Heartsaver First Aid.* |
| | | ALH 1132 | Heartsaver First Aid, CPR & AED | 1 | *AHA Heartsaver First Aid, CPR/AED card required for credit.* |

## PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| N/A | | BIO 1107/1108 | Human Biology w/Lab | 3 | |
| N/A | | BIS 1120 | Introduction to Software Applications | 3 | *PR credit is earned by completing shell content. AA credit is earned by providing proof of Microsoft Office Specialist (MOS) certification.* |
| N/A | | BIS 1201 | Keyboarding & Document Formatting | 3 | |
| N/A | | BIS 1400 | Customer Service | 3 | |
| Business Foundations | 141000 | MAN 1107 | Foundations of Business | 3 | |
| N/A | | MAT 1110 | Math for Technologists | 3 | |
| N/A | | MAT 1120 | Business Mathematics | 3 | |
| N/A | | MAT 1130 | Mathematics in Health Sciences | 3 | |
| N/A | | MET 1131 | Personal Computer Applications for Engineering Technology | 1 | |

## CTAG

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

## ODE-Sinclair Credit Crosswalk: Agricultural & Environmental Systems

### Agribusiness and Production Systems (A0)

**PROFICIENCY**

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Agriculture, Food and Natural Resources | 010105 | AGR 1160 | Introduction to Agricultural Science | 1 | Credit can be earned via FFA membership (AA credit) OR shell curriculum completion (PR credit). |
| Business Management for Agricultural and Environmental Systems | N/A | AGR 1200 | Agricultural Economics | 3 | After Faculty review, subject code 010115 (Business Management for Agricultural and Environmental Systems) does not align to Sinclair's AGR 1200 course. We will continue to offer as a Proficiency credit. |

**CTAG**

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Energy Systems Management | 10715 | CTAE001 - Introduction to Alternative and Renewable Energy | EGV 1101 | Alternate and Renewable Energy Sources | 3 | |
| Animal and Plant Biotechnology | 012010 | CTBTC001 - Biotechnology Principles | BTN 1110 | Biotechnology & Bioethics | 3 | |

### Industrial Power Technology (A1)

**PROFICIENCY**

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Agriculture, Food and Natural Resources | 010105 | AGR 1160 | Introduction to Agricultural Science | 1 | Credit can be earned via FFA membership (AA credit) OR shell curriculum completion (PR credit). |
| Business Management for Agricultural and Environmental Systems | N/A | AGR 1200 | Agricultural Economics | 3 | After Faculty review, subject code 010115 (Business Management for Agricultural and Environmental Systems) does not align to Sinclair's AGR 1200 course. We will continue to offer as a Proficiency credit. |

### Animal Science & Management (A2)

**PROFICIENCY**

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Veterinary Science | 010930 | VET 1102 | Introduction to Vet Technology I | 3 | |
| | | VET 1202 | Introduction to Vet Technology II | 3 | |
| Agriculture, Food and Natural Resources | 010105 | AGR 1160 | Introduction to Agricultural Science | 1 | Credit can be earned via FFA membership (AA credit) OR shell curriculum completion (PR credit). |
| Business Management for Agricultural and Environmental Systems | N/A | AGR 1200 | Agricultural Economics | 3 | After Faculty review, subject code 010115 (Business Management for Agricultural and Environmental Systems) does not align to Sinclair's AGR 1200 course. We will continue to offer as a Proficiency credit. |

**CTAG**

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Medical Terminology | 072150 | CTMT001 - Medical Terminology | HIM 1101 | Medical Terminology | 3 | |
| Animal Science and Technology | 010910 | CTASM001 - Introduction to Animal Science | VET 1120 | Introduction to Large Animal Sciences: Handling & Husbandry | 3 | |

### Agriculture, Food and Natural Resources Bioscience (A3)

**PROFICIENCY**

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Agriculture, Food and Natural Resources | 010105 | AGR 1160 | Introduction to Agricultural Science | 1 | Credit can be earned via FFA membership (AA credit) OR shell curriculum completion (PR credit). |

**CTAG**

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

| Animal and Plant Biotechnology | 012010 | CTBTC001 - Biotechnology Principles | BTN 1110 | Biotechnology & Bioethics | 3 |

## Horticulture (A5)

### PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Agriculture, Food and Natural Resources | 010105 | AGR 1160 | Introduction to Agricultural Science | 1 | Credit can be earned via FFA membership (AA credit) OR shell curriculum completion (PR credit). |
| Business Management for Agricultural and Environmental Systems | N/A | AGR 1200 | Agricultural Economics | 3 | After Faculty review, subject code 010115 (Business Management for Agricultural and Environmental Systems) does not align to Sinclair's AGR 1200 course. We will continue to offer as a Proficiency credit. |

## Natural Resource Management (A6)

### PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Agriculture, Food, and Natural Resources | 010105 | AGR 1160 | Introduction to Agricultural Science | 1 | Credit can be earned via FFA membership (AA credit) OR shell curriculum completion (PR credit). |

### CTAG

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Energy Systems Management | 10715 | CTAE001 - Introduction to Alternative and Renewable Energy | EGV 1101 | Alternate and Renewable Energy Sources | 3 | |
| Solar and Wind Energy | 10717 | CTSP001 - Solar Photovoltaics | EGV 2101 | Solar Photovoltaic Design & Installation | 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

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| N/A | | BIO 1107/1108 | Human Biology w/Lab | 3 | |
| N/A | | BIS 1400 | Customer Service | 3 | |
| Financial Accounting | 143005 | ACC 1100 | Small Business Accounting | 3 | |
| Business Foundations | 141000 | MAN 1107 | Foundations of Business | 3 | |
| N/A | | MAT 1130 | Mathematics in Health Sciences | 3 | |
| N/A | | MET 1131 | Personal Computer Applications for Engineering Technology | 1 | |

### ARTICULATED

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| A1 Industrial Power Technology ONLY | 010210 | AUT 1100 | Automotive Technology | 3 | Credit is earned by graduating from a secondary career technical automotive program. |
| HAZWOPER Technician Level | | FST 1555 | Hazardous Waste Operations & Emergency Response (HAZWOPER) | 3 | Please note, this course is now ARTICULATED CREDIT TYPE starting 2021- 2022. Proof of OSHA Standard 29 CFR 1910.120 or EPA 40 CFR Part 300 required for credit. |

### CTAG

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

# ODE-Sinclair Credit Crosswalk: Arts and Communication

## Media Arts (B0)

### PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Media Arts Writing | 340115 or | JOU 2203 | Reporting and Writing for Media | 3 | |
| Multi-Media Web Production | 340160 | | | | |
| N/A | | JOU 2101 | Introduction to Journalism | 3 | Course was removed 20-21, but added back with new format 2021-2022. |

## Performing Arts (B1)

### CTAG

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Stagecraft | 340250 | CTPAT001 - Stagecraft | THE-1106 | Stagecraft | 2 | |
| | | | THE-1107 | Lab for Stagecraft | 1 | |

## Visual Design and Imaging (B2)

### PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| N/A | N/A | CIS 1350 | Web Site Development with HMTL and CSS | 3 | |

### ARTICULATED

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| N/A | N/A | VIS 1100 | Design Foundations | 3 | Credit granted via portfolio review |
| N/A | N/A | VIS 1110 | Design Drawing | 3 | Credit granted via portfolio review |
| N/A | N/A | VIS 1140 | Design Processes I | 3 | Credit granted via portfolio review |
| N/A | N/A | VIS 1250 | Print Production | 3 | Credit granted via portfolio review |

### CTAG

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Advertising and Communications | 340340 | CTVDI002 - Fundamentals of Advertising and Communication | MRK 2102 | Principles of Advertising | 3 | |

## General Courses- 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 | | MAT 1120 | Business Mathematics | 3 | |

# ODE-Sinclair Credit Crosswalk: Business/Finance/Marketing

## Business & Administrative Services (C4)

### PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| International Business | 141035 | MAN 1110 | International Business | 3 | |
| Marketing Principles | 144000 | MRK 2100 | Foundations of Marketing | 3 | |
| Professional & Technical Sales | 144030 | MRK 2225 | Sales Fundamentals | 3 | |
| Financial Accounting | 143005 | ACC 1100 | Small Business Accounting | 3 | |
| Finance Foundations | 143000 | FIN 2450 | Personal Finance | 3 | **There is a Personal Finance CTAG for the Family and Consumer Science Pathway. That CTAG is not approved for this subject code, so this course will remain a Proficiency option on bilateral agreements until changes are made by the state. |
| Human Resource Management | 142035 | MAN 2140 | Human Resource Management | 3 | |

### CTAG

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Supply Chain Management | 142025 | CTSCM001 - Introduction to Supply Chain Management Technology | MAN 2159 | Supply Chain Management Concepts and Applications | 3 | |
| Medical Office Management | 142015 | CTMMS001 - Medical Office Procedures | BIS 2180 | Medical Office Simulation | 3 | |
| Medical Terminology | 072150 | CTMT001 - Medical Terminology | HIM 1101 | Medical Terminology | 3 | |

## Finance (G2)

### PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Financial Accounting | 143005 | ACC 1100 | Small Business Accounting | 3 | |
| International Business | 141035 | MAN 1110 | International Business | 3 | |
| Marketing Principles | 144000 | MRK 2100 | Foundations of Marketing | 3 | |
| Professional & Technical Sales | 144030 | MRK 2225 | Sales Fundamentals | 3 | |
| Finance Foundations | 143000 | FIN 2450 | Personal Finance | 3 | **There is a Personal Finance CTAG for the Family and Consumer Science Pathway. That CTAG is not approved for this subject code, so this course will remain a Proficiency option on bilateral agreements until changes are made by the state. |

## Marketing (S5)

### PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Marketing Principles | 144000 | MRK 2100 | Foundations of Marketing | 3 | |
| Professional & Technical Sales | 144030 | MRK 2225 | Sales Fundamentals | 3 | |
| International Business | 141035 | MAN 1110 | International Business | 3 | |
| Human Resource Management | 142035 | MAN 2140 | Human Resource Management | 3 | |
| Finance Foundations | 143000 | FIN 2450 | Personal Finance | 3 | **There is a Personal Finance CTAG for the Family and Consumer Science Pathway. That CTAG is not approved for this subject code, so this course will remain a Proficiency option on bilateral agreements until changes are made by the state. |

### CTAG

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Supply Chain Management | 142025 | CTSCM001 - Introduction to Supply Chain Management Technology | MAN 2159 | Supply Chain Management Concepts and Applications | 3 | |

## General Courses- 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 |
|---|---|---|---|---|---|
| Business Foundations | 141000 | MAN 1107 | Foundations of Business | 3 | |
| N/A | | BIS 1120 | Introduction to Software Applications | 3 | *PR credit is earned by completing shell content. AA credit is earned by providing proof of Microsoft Office Specialist (MOS) certification.* |
| N/A | | BIS 1201 | Keyboarding & Document Formatting | 3 | |
| N/A | | BIS 1400 | Customer Service | 3 | |
| N/A | | MAT 1120 | Business Mathematics | 3 | |

# ODE-Sinclair Credit Crosswalk: Construction Technologies

## Structural Systems (DD), Mechanical, Electrical and Plumbing (DE), and Construction Design and Management (DF)

### PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Principles of Wood Construction | 178030 | CAT 1701 | Construction Craft Skills/Concrete | 4 | *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.* |
| Structural Systems | 178003 | CAT 1721 | Structural Framing Systems | 4 | *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.* |
| Construction Electrical Systems | 178007 | CAT 1741 | Residential Electrical Systems | 3 | |
| Residential Electrical Systems | 178008 | | | | |
| Masonry-Brick & Block | 178005 | CAT 1761 | Interior & Exterior Finishes | 3 | |
| Concrete & Residential Masonry | 178006 | | | | |
| Construction Pre-Apprenticeship/Capstone | 178029 | CAT 1781 | Construction Project | 4 | |
| Construction Management | 178022 | CAT 2401 | Engineering Technology Project Management | 3 | |
| Plan Reading and Estimating | 178019 | CAT 1401 | Construction Estimating | 3 | |

### ARTICULATED

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| N/A | | CAT 1810 | Construction Techniques I (NCCER Core or Career Connections) | 3 | *To earn this AA credit, students must provide proof of either NCCER Core or Career Connections Level 1 and II.* |
| N/A | | CAT 1820 | Construction Techniques II (NCCER Level 1 or Career Connections) | 3 | *To earn this AA credit, students must provide proof of either NCCER Carpentry Level 1 or Career Connections Level III.* |
| N/A | | CAT 1830 | Construction Techniques III (NCCER Level 2) | 3 | *NEW! To earn this AA credit, students must provide proof of either NCCER Level 2 or Career Connections Level III.* |
| N/A | | EET 1181 | Electrical Construction I (NCCER Electrical Level 1) | 2 | *Proof of NCCER Electrical Level 1 required for credit.* |

### CTAG

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Carpentry & Masonry Technical Skills | 178001 | CTCON003 - Construction Methods and Materials | CAT 1201 | Construction Methods and Materials | 3 | |
| Current and valid OHSA 10-hour safety card | | CTS001 - Safety | CAT 1431 | OSHA 10 Hour Safety | 1 | |
| Construction Safety & Crew Leadership AND | 178018 | CTCON002 - Construction Safety | CAT 2431 | Occupational Safety and Health Administration (OSHA) | 2 | Must pass WebXam AND receive certification to receive credit |
| Obtain a valid OSHA 30 hour card in general construction | | | | | | |
| Plan Reading | 178019 | CTCON001 - Plan Reading | CAT 1141 | Architectural Blueprint Reading | 2 | |
| Alternative Power Generation Systems | 10715 | CTAE001 - Introduction to Alternative and Renewable Energy | EGV 1101 | Alternate & Renewable Energy Sources | 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

| 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 | |

# ODE-Sinclair Credit Crosswalk: Education & Training

## Early Childhood Education (E0)

### CTAG

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Early Childhood Education Principles | 350205 | CTECE001 - Introduction to Education | ECE 1100 | Introduction to Early Childhood Education | 3 | |
| Health, Safety and Nutrition | 350230 | CTECE002 - Health, Safety, and Nutrition | ECE 1202 | Healthy and Safe Environments | 3 | |
| Infant and Toddler Education | 350210 | CTECE003 - Infant and Toddler Curriculum | ECE 2302 | Infant and Toddler Curriculum | 3 | |

## Teaching Professions (E1)

### CTAG

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Education Principles | 350010 | CTEDU007 - Introduction to Education | EDU 1100 | Introduction to Education | 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

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| N/A | | BIS 1400 | Customer Service | 3 | |
| N/A | | MAT 1120 | Business Mathematics | 3 | |
| N/A | | BIO 1107/1108 | Human Biology w/Lab | 3 | |

### ARTCULATED

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Principles of Allied Health | 072035 | ALH 1130 or | Basic Life Support Training for Healthcare Provider | 1 | *Two cards required for credit: a card for AHA Basic Life Support for Healthcare Provider AND AHA Heartsaver First Aid.* |
| | | ALH 1132 | Heartsaver First Aid, CPR & AED | 1 | *AHA Heartsaver First Aid, CPR/AED card required for credit.* |

# ODE-Sinclair Credit Crosswalk: Engineering & Science Technologies

## Engineering and Design (F6)

### PROFICIENCY NON-PLTW

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Plan Reading and Estimating | 178019 | CAT 1401 | Construction Estimating | 3 | |
| 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.* |

### PROFICIENCY PLTW

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| N/A-Project Lead The Way (PLTW) | N/A | CAT 1161 | Project Lead the Way: Introduction to Civil & Architectural Technology (CEA) | 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-Project Lead The Way (PLTW) | N/A | MET 1231 | Project Lead the Way: Introduction to Drafting & Design Using Inventor (IED) | 4 | *This course can only be captured via PLTW with scale score of 410 or stanine of 6. Both instructor and students MUST be PLTW.* |

### 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.* |

| | | | | | | |
|---|---|---|---|---|---|---|
| **CTAG** | | | | | | |
| *ODE Course* | *Subject Code* | *CTAN* | *Sinclair Course* | *Sinclair Course Name* | *Credit Hours* | *Notes* |
| Manufacturing Operations | 175003 | CTMET004 - Manufacturing Processes | OPT 2205 | Manufacturing Processes | 3 | |
| Computer Integrated Manufacturing | 175006 | CTMET005 - Computer Aided Drafting and Design (CADD) | MET 1371 | CAD Concepts Using AutoCAD | 3 | |
| Digital Electronics | 175007 | CTEET002 - Digital Electronics | EET 1131 | Digital Electronics | 5 | |
| DC Electronic Circuits | 175105 | CTEET001 - DC Circuits | EET 1150 | DC Circuits | 4 | |
| Energy Systems Management | 10715 | CTAE001 - Introduction to Alternative and Renewable Energy | EGV 1101 | Alternate and Renewable Energy Sources | 3 | |
| Plan Reading | 178019 | CTCON001 - Plan Reading | CAT 1141 | Architectural Blueprint Reading | 2 | |
| Computer Software | 145030 | CTIT005 - Intro Desktop O.S. | CIS 1107 | Introduction to Operating Systems | 3 | |
| c | 145030 and | CTIT011 - MS Windows Desktop OS | CIS 1510 | Windows Client Operating System | 3 | |
| Network Operating Systems | 145040 | | | | | |
| Computer Software | 145030 and | CTIT014 - PC Operating System/A+ | CIS 2731 | A+ Hardware & Software | 4 | |
| Computer Hardware | 145025 | | | | | |

| | |
|---|---|
| **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 OHSA 10-hour safety card | | CTS001 - Safety | CAT 1431 | OSHA 10 Hour Safety | 1 | |

## ODE-Sinclair Credit Crosswalk: Health Science

### Exercise Science and Sports Medicine (J6)

#### PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Health Science and Technology | 072001 | ALH 1101 | Introduction to Healthcare Delivery | 2 | |
| Nutrition and Wellness | 072015 | DIT 1111 | Nutrition for Health and Fitness | 3 | *NEW!!* |

#### ARTICULATED

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Principles of Allied Health | 072035 | ALH 1130 or | Basic Life Support Training for Healthcare Provider | 1 | *Two cards required for credit: a card for AHA Basic Life Support for Healthcare Provider AND AHA Heartsaver First Aid.* |
| | | ALH 1132 | Heartsaver First Aid, CPR & AED | 1 | *AHA Heartsaver First Aid, CPR/AED card required for credit.* |
| Patient Centered Care and Diagnostics | 072055 | ALH 1120 | Nurse Aide Training | 4 | *Proof of STNA Certification required for credit.* |

#### CTAG

| ODE Course and Subject Code | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Medical Terminology | 072150 | CTMT001 - Medical Terminology | HIM 1101 | Medical Terminology | 3 | |
| Exercise and Athletic Training | 072000 | CTES001 - Introduction to Exercise Science | ENS 1116 | Introduction to Exercise Science & Health Promotion | 3 | |
| Fitness Evaluation and Assessment | 072020 | CTES002 - Fitness and Health Foundations | ENS 1118 | Lifetime Physical Fitness and Wellness | 3 | |

### Allied Health and Nursing - Dental Assisting (JM)

#### PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Health Science and Technology | 072001 | ALH 1101 | Introduction to Healthcare Delivery | 2 | |
| Nutrition and Wellness | 072015 | DIT 1111 | Nutrition for Health and Fitness | 3 | *NEW!!* |
| N/A | | DEH 1102 | Introduction to Dental Hygiene | 1 | *Cost per student associated with this course. Please contact Candice Flowers-Taylor (candice.flowers-tayl@sinclair.edu) for specifics.* |

#### ARTCULATED

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Principles of Allied Health | 072035 | ALH 1130 or | Basic Life Support Training for Healthcare Provider | 1 | *Two cards required for credit: a card for AHA Basic Life Support for Healthcare Provider AND AHA Heartsaver First Aid.* |
| | | ALH 1132 | Heartsaver First Aid, CPR & AED | 1 | *AHA Heartsaver First Aid, CPR/AED card required for credit.* |
| Patient Centered Care and Diagnostics | 072055 | ALH 1120 | Nurse Aide Training | 4 | *Proof of STNA Certification required for credit.* |

#### CTAG

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Medical Terminology | 072150 | CTMT001 - Medical Terminology | HIM 1101 | Medical Terminology | 3 | |
| Health Information Technology | 72135 | CTHIM001 - Intro to Health Information Management | HIM 1110 | Health Information Processing | 2 | |
| Health Information Management | 72140 | CTHIM002 - Legal and Ethical Aspects of Health Information Management | HIM 1204 | Medicolegal & Ethics in Healthcare Records | 2 | |
| Clinical Laboratory Techniques | 72100 | CTMLT001 - Intro to Medical (Clinical) Laboratory Science | CLT 1200 | Introduction to Clinical Laboratory | 2 | |

## Medical Assisting

### CTAG

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
|  |  | CTMAT004 - Basic Administrative Functions | MAS 1110 | Administrative Medical Assisting I | 2 |  |
|  |  | CTMAT005 - Perform Bookkeeping Functions | MAS 1102 | Clinical Medical Assisting I | 3 |  |
|  |  | CTMAT006 - Process Insurance Claims |  |  |  |  |
|  |  | CTMAT008 - Fundamental Procedures |  |  |  |  |
|  |  | CTMAT009 - Specimen Collection | MAS 2201 | Clinical Medical Assisting III | 4 |  |
|  |  | CTMAT010 - Diagnostic Testing | MAS 2210 | Medical Billing Specialist | 3 |  |
|  |  | CTMAT011 - Patient Care |  |  |  |  |

## Medical Bioscience (J0)

### PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Health Science and Technology | 072001 | ALH 1101 | Introduction to Healthcare Delivery | 2 |  |
|  |  | BIO 1107/1108 | Human Biology w/Lab | 3 |  |
|  |  | BTN 1120 | Laboratory Safety & Regulatory Compliance | 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.* |

### ARTCULATED

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Principles of Allied Health | 072035 | ALH 1130 or | Basic Life Support Training for Healthcare Provider | 1 | *Two cards required for credit: a card for AHA Basic Life Support for Healthcare Provider AND AHA Heartsaver First Aid.* |
|  |  | ALH 1132 | Heartsaver First Aid, CPR & AED | 1 | *AHA Heartsaver First Aid, CPR/AED card required for credit.* |

### CTAG

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Medical Terminology | 072150 | CTMT001 - Medical Terminology | HIM 1101 | Medical Terminology | 3 |  |
| Animal and Plant Biotechnology | 012010 | CTBTC001 - Biotechnology Principles | BTN 1110 | Biotechnology & Bioethics | 3 | *Now CTAG! (Previously proficiency)* |

## Health Information Management (J7)

### PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Health Science and Technology | 072001 | ALH 1101 | Introduction to Healthcare Delivery | 2 |  |

### ARTICULATED

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Principles of Allied Health | 072035 | ALH 1130 or | Basic Life Support Training for Healthcare Provider | 1 | *Two cards required for credit: a card for AHA Basic Life Support for Healthcare Provider AND AHA Heartsaver First Aid.* |
|  |  | ALH 1132 | Heartsaver First Aid, CPR & AED | 1 | *AHA Heartsaver First Aid, CPR/AED card required for credit.* |
| Patient Centered Care and Diagnostics | 072055 | ALH 1120 | Nurse Aide Training | 4 | *Proof of STNA Certification required for credit.* |

| CTAG | | | | | | |
|---|---|---|---|---|---|---|
| *ODE Course* | *Subject Code* | *CTAN* | *Sinclair Course* | *Sinclair Course Name* | *Credit Hours* | *Notes* |
| Medical Terminology | 072150 | CTMT001 - Medical Terminology | HIM 1101 | Medical Terminology | 3 | |
| Legal and Ethical Aspects of Health Information Management | 072140 | CTHIM002 - Legal and Ethical Aspects of Health Information Management | HIM 1204 | Medicolegal & Ethics in Healthcare Records | 2 | |
| Health Information Technology | 72135 | CTHIM001 - Intro to Health Information Management | HIM 1110 | Health Information Processing | 2 | |

| 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 | | MAT 1130 | Mathematics in Health Sciences | 3 | |
| N/A | | BIO 1107/1108 | Human Biology w/Lab | 3 | |

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

## ODE-Sinclair Credit Crosswalk: Hospitality and Tourism

### Culinary Arts (L0)

#### PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| N/A | N/A | MAT 1125 | Math for the Culinary Arts Baking and Pastry Arts Professional | 3 | |
| Baking and Pastry Arts | 330125 | HMT 1126 | Baking I | 2 | |
| N/A | N/A | HMT 2227 | Hospitality Marketing | 2 | |
| N/A | N/A | HMT 2201 | Food Service Equipment, Design and Maintenance | 2 | |

#### CTAG

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Fundamentals of Food Production | 330100 | CTCF005 - Food Production Laboratory | HMT 1101 | Basic Culinary Skills | 2 | |
| Hospitality Fundamentals | 330000 | CTCF002 - Introduction to Hospitality and Tourism | HMT 1105 | Introduction to the Hospitality and Tourism Industry | 2 | |
| ServSafe® Manager Certification | | CTCF001 - Sanitation and Safety | HMT 1107 | Sanitation and Safety | 2 | |
| Restaurant Management | 330120 | CTCF009 - Food Principles & Purchasing | HMT 2226 | Hospitality Purchasing and Negotiations | 2 | |

### Hospitality (L1)

#### PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Event and Food Planning | 330021 | HMT 1148 | Meeting and Events Contracts and Obligations | 1 | |
| | | HMT 1149 | Meetings and Events Set-Up and Breakdown | 2 | |

#### CTAG

| ODE Course and Subject Code | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Hospitality Fundamentals | 330000 | CTCF002 - Introduction to Hospitality and Tourism | HMT 1105 | Introduction to the Hospitality and Tourism Industry | 2 | |
| ServSafe® Manager Certification | | CTCF001 - Sanitation and Safety | HMT 1107 | Sanitation and Safety | 2 | |
| Hospitality Management | 330035 | CTCF007 - Technology in the Hospitality Industry | HMT 1137 | Hospitality Industry Computer Systems | 2 | |
| Front Office Management and Operations | 330030 | CTCF008 - Front Office Operations and Housekeeping Operations for the Lodging Industry | HMT 1136 | Front Office Operations | 3 | New! |
| | | | HMT 1139 | Housekeeping Management | | |

## 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 | |

## ODE-Sinclair Credit Crosswalk: Human Services

### Cosmetology (M1)

#### PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Financial Accounting | 143005 | ACC 1100 | Small Business Accounting | 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

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Business Foundations | 141000 | MAN 1107 | Foundations of Business | 3 | |
| N/A | | BIS 1120 | Introduction to Software Applications | 3 | *PR credit is earned by completing shell content. AA credit is earned by providing proof of Microsoft Office Specialist (MOS) certification.* |
| N/A | | BIS 1201 | Keyboarding & Document Formatting | 3 | |
| N/A | | BIS 1400 | Customer Service | 3 | |
| N/A | | MAT 1120 | Business Mathematics | 3 | |

# ODE-Sinclair Credit Crosswalk: Information Technology

## Information Support and Services (N0)

### PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| N/A | N/A | CIS 2165 | Database Management | 3 | |
| N/A | N/A | CIS 1350 | Web Site Development with HTML & CSS | 3 | |
| | | | | | |

### CTAG

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Networking | 145035 and | CTIT002 - Networking/CompTIA Network + | CIS 1130 | Network Fundamentals | 3 | |
| Network Management | 145045 | | | | | |
| Computer Software | 145030 | CTIT005 - Intro Desktop O.S. | CIS 1107 | Introduction to Operating Systems | 3 | |
| Network Security | 145050 | CTIT006 - Intro to User Support | CIS 2711 | Enterprise Desktop Support Technician | 3 | |
| | | CTIT015 - CompTIA Security + | CIS 2640 | Network Security | 3 | |
| N/A | Certificate | CTIT007 - Cisco Exploration I | CIS 1411 | Introduction to Networks | 3 | |
| N/A | Certificate | CTIT008 - Cisco Exploration II | CIS 2416 | Routing & Switching Essentials | 4 | |
| N/A | Certificate | CTIT009 - Cisco Exploration III | CIS 2421 | Scaling Networks | 4 | |
| N/A | Certificate | CTIT010 - Cisco Exploration IV | CIS 2426 | Connecting Networks | 4 | |
| Computer Software | 145030 and | CTIT011 - MS Windows Desktop OS | CIS 1510 | Windows Client Operating System | 3 | |
| Network Operating Systems | 145040 | | | | | |
| Network Operating Systems | 145040 | CTIT013 - MS Server Administration | CIS 2510 | Microsoft Windows Server Operating System | 3 | |
| | | CTIT016 - Linux | CIS 2550 | Linux Operating System | 3 | |
| Computer Software | 145030 and | CTIT014 - PC Operating System/A+ | CIS 2731 | A+ Hardware & Software | 4 | |
| Computer Hardware | 145025 | | | | | |
| Programming | 145060 | CTPROG001 - Computer Logic | CIS 1111 | Intro to Problem Solving & Computer Programing | 3 | |
| Object Oriented Programming | 145065 | CTPROG003 - C++ Programming | CIS 1202 | C++ Software Development | 3 | NEW! |
| | | CTPROG002 - Java Programming | CIS 2212 | Java Software Development I | 3 | |

## Interactive Media (N1)

### PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| N/A | N/A | CIS 1350 | Web Site Development with HTML & CSS | 3 | |
| N/A | N/A | VIS 1100 | Design Foundations | 4 | Credit granted via portfolio review |
| N/A | N/A | VIS 1110 | Design Drawing | 4 | Credit granted via portfolio review |
| N/A | N/A | VIS 1140 | Design Processes I | 4 | Credit granted via portfolio review |
| N/A | N/A | VIS 1250 | Print Production | 4 | Credit granted via portfolio review |

### CTAG

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

| | | | | | | |
|---|---|---|---|---|---|---|
| Programming | 145060 | CTPROG001 - Computer Logic | CIS 1111 | Intro to Problem Solving & Computer Programing | 3 | |
| Object Oriented Programming | 145065 | CTPROG003 - C++ Programming | CIS 1202 | C++ Software Development | 3 | NEW! |
| Object Oriented Programming | 145065 | CTPROG003 - C++ Programming | CIS 1202 | C++ Software Development | 3 | NEW! |
| | | CTPROG002 - Java Programming | CIS 2212 | Java Software Development I | 3 | |

## Networking (N2)

| | | | | | PROFICIENCY | |
|---|---|---|---|---|---|---|

| ODE Course | Subject Code | | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| N/A | N/A | | CIS 2165 | Database Management | 3 | |
| N/A | N/A | | CIS 1350 | Web Site Development with HTML & CSS | 3 | |

**CTAG**

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Networking | 145035 and | CTIT002 - Networking/CompTIA Network + | CIS 1130 | Network Fundamentals | 3 | |
| Network Management | 145045 | | | | | |
| Computer Software | 145030 | CTIT005 - Intro Desktop O.S. | CIS 1107 | Introduction to Operating Systems | 3 | |
| Network Security | 145050 | CTIT006 - Intro to User Support | CIS 2711 | Enterprise Desktop Support Technician | 3 | |
| | | CTIT015 - CompTIA Security + | CIS 2640 | Network Security | 3 | |
| N/A | Certificate | CTIT007 - Cisco Exploration I | CIS 1411 | Introduction to Networks | 3 | |
| N/A | Certificate | CTIT008 - Cisco Exploration II | CIS 2416 | Routing & Switching Essentials | 4 | |
| N/A | Certificate | CTIT009 - Cisco Exploration III | CIS 2421 | Scaling Networks | 4 | |
| N/A | Certificate | CTIT010 - Cisco Exploration IV | CIS 2426 | Connecting Networks | 4 | |
| Computer Software | 145030 and | CTIT011 - MS Windows Desktop OS | CIS 1510 | Windows Client Operating System | 3 | |
| Network Operating Systems | 145040 | | | | | |
| Network Operating Systems | 145040 | CTIT013 - MS Server Administration | CIS 2510 | Microsoft Windows Server Operating System | 3 | |
| | | CTIT016 - Linux | CIS 2550 | Linux Operating System | 3 | |
| Computer Software | 145030 and | CTIT014 - PC Operating System/A+ | CIS 2731 | A+ Hardware & Software | 4 | |
| Computer Hardware | 145025 | | | | | |
| Programming | 145060 | CTPROG001 - Computer Logic | CIS 1111 | Intro to Problem Solving & Computer Programing | 3 | |
| Object Oriented Programming | 145065 | CTPROG003 - C++ Programming | CIS 1202 | C++ Software Development | 3 | NEW! |
| | | CTPROG002 - Java Programming | CIS 2212 | Java Software Development I | 3 | |

## Programming and Software Development (N3)

**PROFICIENCY**

| ODE Course | Subject Code | | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| N/A | N/A | | CIS 2165 | Database Management | 3 | |
| N/A | N/A | | CIS 1350 | Web Site Development with HTML & CSS | 3 | |

**CTAG**

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Programming | 145060 | CTPROG001 - Computer Logic | CIS 1111 | Intro to Problem Solving & Computer Programing | 3 | |

| Object Oriented Programming | 145065 | CTPROG003 - C++ Programming | CIS 1202 | C++ Software Development | 3 | NEW! |
|---|---|---|---|---|---|---|
| | | CTPROG002 - Java Programming | CIS 2212 | Java Software Development I | 3 | |

## Cybersecurity (N4)

### CTAG

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Networking | 145035 and | CTIT002 - Networking/CompTIA Network + | CIS 1130 | Network Fundamentals | 3 | |
| Network Management | 145045 | | | | | |
| Computer Software | 145030 | CTIT005 - Intro Desktop O.S. | CIS 1107 | Introduction to Operating Systems | 3 | |
| Network Security | 145050 | CTIT006 - Intro to User Support | CIS 2711 | Enterprise Desktop Support Technician | 3 | |
| | | CTIT015 - CompTIA Security + | CIS 2640 | Network Security | 3 | |
| N/A | Certificate | CTIT007 - Cisco Exploration I | CIS 1411 | Introduction to Networks | 3 | |
| N/A | Certificate | CTIT008 - Cisco Exploration II | CIS 2416 | Routing & Switching Essentials | 4 | |
| N/A | Certificate | CTIT009 - Cisco Exploration III | CIS 2421 | Scaling Networks | 4 | |
| N/A | Certificate | CTIT010 - Cisco Exploration IV | CIS 2426 | Connecting Networks | 4 | |
| c | 145030 and | CTIT011 - MS Windows Desktop OS | CIS 1510 | Windows Client Operating System | 3 | |
| Network Operating Systems | 145040 | | | | | |
| Network Operating Systems | 145040 | CTIT013 - MS Server Administration | CIS 2510 | Microsoft Windows Server Operating System | 3 | |
| | | CTIT016 - Linux | CIS 2550 | Linux Operating System | 3 | |
| Computer Software | 145030 and | CTIT014 - PC Operating System/A+ | CIS 2731 | A+ Hardware & Software | 4 | |
| Computer Hardware | 145025 | | | | | |
| Programming | 145060 | CTPROG001 - Computer Logic | CIS 1111 | Intro to Problem Solving & Computer Programing | 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

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| N/A | | BIS 1120 | Introduction to Software Applications | 3 | *PR credit is earned by completing shell content. AA credit is earned by providing proof of Microsoft Office Specialist (MOS) certification.* |
| N/A | | BIS 1201 | Keyboarding & Document Formatting | 3 | |
| N/A | | BIS 1400 | Customer Service | 3 | |
| N/A | | MAT 1120 | Business Mathematics | 3 | |

# ODE-Sinclair Credit Crosswalk: Law & Public Safety

## Firefighting & Emergency Medical Services (P6) and Criminal Justice (P1)

### PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| N/A | | CJS 1103 | Constitutional Law & Evidentiary Procedures | 3 | |
| N/A | | CJS 1105 | Criminal Law | 3 | |
| N/A | | CJS 1155 | Homeland Security Issues & Administration | 3 | |
| Investigations and Forensics in Criminal Investigations | 170914 | CJS 2205 | Introduction to Criminal Investigation & Forensic Science | 3 | |

### CTAG

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Fire Safety Inspector | N/A | CTFINSP001 - Fire Safety Inspector | FST 1120 | Fire Safety Inspector | 4 | |
| Fire Service Instructor | N/A | CTFSI001 - Fire Service Instructor | FST 2209 | Fire Service Instructor | 4 | |
| Firefighter I | 170343 | CTFF002 - Fire Fighter I | FST 1102 | Firefighter 1 | 7 | |
| Firefighter II | 170344 | CTFF003 - Fire Fighter II | FST 1103 | Firefighter II Transition | 5 | |
| | | CTVFF001 - Volunteer Fire Fighter | FST 1100 | Volunteer Firefighter | 2 | |
| The American Criminal Justice System | 170911 | CTCJ001 - Introduction to Criminal Justice | CJS 1101 | Introduction to Criminal Justice Science | 3 | |
| Police Work & Practice in Public Safety | 170913 | | | | | |
| The Correctional System & Services | 170915 | | | | | |
| | | CTEMS002 - Emergency Medical Technician | EMS 1150 & EMS 1155 | Emergency Medical Technician: Lecture & Laboratory for Emergency Medical Technician | 5 | |
| | | CTEMS001 - Emergency Medical Responder | EMS 1100 | Emergency Medical Responder Lecture & Laboratory | 2 | |
| Medical Terminology | 072150 | CTMT001 - Medical Terminology | HIM 1101 | Medical Terminology | 3 | |
| Current Ohio Paramedic certification | | CTEMS004 - Paramedic | EMS 2100 | Applied Anatomy, Physiology & Pathophysiology for Emergency Medical Services Provider | 3 | |
| | | | EMS 2105 | Paramedic 1: Lecture | 2 | |
| | | | EMS 2110 | Paramedic 1: Laboratory | 2 | |
| | | | EMS 2125 | Paramedic 2: Lecture | 5 | |
| | | | EMS 2130 | Paramedic 2: Laboratory | 2 | |
| | | | EMS 2135 | Paramedic 2: Clinical | 2 | |
| | | | EMS 2150 | Paramedic 3: Lecture | 5 | |
| | | | EMS 2155 | Paramedic 3: Laboratory | 2 | |
| | | | EMS 2160 | Paramedic 3: Clinical | 1 | |
| | | | EMS 2175 | Paramedic 4: Lecture | 2 | |
| | | | EMS 2180 | Paramedic 4: Field Experience | 1 | |
| | | | EMS 2200 | Paramedic 5: Integration / Refresher Lecture | 2 | |
| | | | EMS 2205 | Paramedic 5: Integration / Refresher Laboratory | 1 | |

## 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.*

### ARTICULATED

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| Principles of Allied Health | 072035 | ALH 1130 or | Basic Life Support Training for Healthcare Provider | 1 | *Two cards required for credit: a card for AHA Basic Life Support for Healthcare Provider AND AHA Heartsaver First Aid.* |
| | | ALH 1132 | Heartsaver First Aid, CPR & AED | 1 | *AHA Heartsaver First Aid, CPR/AED card required for credit.* |

### PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| N/A | | BIS 1400 | Customer Service | 3 | |
| N/A | | BIO 1107/1108 | Human Biology w/Lab | 3 | |
| N/A | | MAT 1130 | Mathematics in Health Sciences | 3 | |

### CTAG

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

# 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 | CTEET002 | 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

| 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 OHSA 10-hour safety card | CTS001 - Safety | CAT 1431 | OSHA Construction Standards 10 Hour | | 1 | |

## ODE-Sinclair Credit Crosswalk: Transportation Systems - Automotive

### Ground Transportation (T9)

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| N/A | | AUT 1100 | Consumer Automotive | 2 | *Credit is earned by graduating from a secondary career technical automotive program.* |
| N/A | | AUT 1108 | Automotive Engine Systems | 4 | *Students must successfully complete ASE student certification exam A8-Engine Performance with a passing grade of 70% or higher to be awarded credit.* |
| N/A | | AUT 1114 | Automotive Electrical/Electronic Systems I | 3 | *Students must successfully complete ASE student certification exam A6-Electrical/Electronic Systems with a passing grade of 70% or higher to be awarded credit.* |
| N/A | | AUT 1116 | Automotive Steering & Suspension Systems | 3 | *Students must successfully complete an ASE student certification exam A4-Suspension and Steering with a passing grade of 70% or higher to be awarded credit.* |
| N/A | | AUT 1165 | Automotive Brake Systems | 3 | *Students must successfully complete an ASE student certification exam A5-Brakes with a passing grade of 70% or higher to be awarded credit for the above identified course.* |

**CTAG**

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Ground Transportation Maintenance AND<br><br>ASE/NATEF examination for Maintenance and Light Repair or Automobile Service and Technology | 177000 | CTAUT005 - Introduction to Automotive Service and Repair | AUT 1102 | Introduction to Automotive Service | 0.5-3 | Must pass WebXam AND receive certification to receive credit |

### 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 | | MAT 1110 | Math for Technologists | 3 | |
| N/A | | MET 1131 | Personal Computer Applications for Engineering Technology | 1 | |

# ODE-Sinclair Credit Crosswalk: Transportation Systems - Aviation

## Air Transportation (TA)

### PROFICIENCY

| ODE Course | Subject Code | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|
| N/A | | AVT 1101 | Introduction to Unmanned Aerial Systems | 2 | |
| N/A | | AVT 1103 | Remote Pilot (UAS) Ground School | 1 | *Course credit can be earned as PR via completion of eLearn shell content, or credit can be awarded as AA with proof of FAA Part 107 Small UAS license.* |
| N/A | | AVT 1141 | Principles of Aviation Leadership | 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.* |

### ARTICULATED - Aviation Maintenance Courses-Articulated credit through FAA approved testing processes

**If student earns FAA Airframe or Powerplant Certificate, they will earn Articulated Credit for:**

| | | | | | |
|---|---|---|---|---|---|
| N/A | | AVT 1113 | Drawings for Aviation | 3 | |
| N/A | | AVT 1116 | Regulations for Maintenance | 3 | |
| N/A | | AVT 1118 | Weight and Balance | 3 | *Credit Awarded by State or National Accreditation via credit capture process. Copies of cards or certificates must be submitted to MVTPC before credit can be posted. |
| N/A | | AVT 1131 | Basic Aviation Electricity | 3 | |
| N/A | | AVT 1135 | Materials and Processes | 4 | |
| N/A | | AVT 1213 | Corrosion | 3 | |
| N/A | | AVT 2237 | Aircraft Inspections (Airframe and Eng.) | 3 | |
| N/A | | AVT 2143 | Review and Recommendation | 2 | |

**If student earns FAA Airframe Certificate, they will earn Articulated Credit for:**

| | | | | | |
|---|---|---|---|---|---|
| N/A | | AVT 1136 | Sheet Metal | 4 | |
| N/A | | AVT 2121 | Assembly and Rigging | 3 | |
| N/A | | AVT 2236 | Non Metallic Structures | 4 | |
| N/A | | AVT 1106 | Airframe Safety Systems | 2 | *Credit Awarded by State or National Accreditation via credit capture process. Copies of cards or certificates must be submitted to MVTPC before credit can be posted. |
| N/A | | AVT 1107 | Fuel Systems | 3 | |
| N/A | | AVT 1133 | Instruments/Communications | 3 | |
| N/A | | AVT 1214 | Cabin Atmospheric Control | 2 | |
| N/A | | AVT 1218 | Utility Systems | 6 | |
| N/A | | AVT 2132 | Airframe Electrical Systems | 4 | |

**If student earns FAA Powerplant Certificate, they will earn Articulated Credit for:**

| | | | | | |
|---|---|---|---|---|---|
| N/A | | AVT 1128 | Power Plant Safety Systems | 3 | |
| N/A | | AVT 2122 | Ignition and Starting | 4 | *Credit Awarded by State or National Accreditation via credit capture process. Copies of cards or certificates must be submitted to MVTPC before credit can be posted. |
| N/A | | AVT 2126 | Reciprocating Engines | 7 | |
| N/A | | AVT 2129 | Propellers | 4 | |
| N/A | | AVT 2138 | Engine Fuel and Fuel Metering | 3 | |
| N/A | | AVT 2139 | Induction/Exhaust/Cooling | 2 | |
| N/A | | AVT 2219 | Turbine Engines | 4 | |

### CTAG

| ODE Course | Subject Code | CTAN | Sinclair Course | Sinclair Course Name | Credit Hours | Notes |
|---|---|---|---|---|---|---|
| Aviation Airport Management | 177020 | CTAIR001 - Air Transportation | AVT 2146 | Introduction to Airline Operations | 3 | |
| Aviation Pilot Training | 177021 | CTAIR005 - Private Pilot Theory | AVT 1110 | Private Pilot Ground School | 3 | |
| Aviation | 177013 | CTAIR004 - Introduction to Aviation | AVT-1105 | Orientation to Aviation | 3 | |
| Aviation Meteorology | 177019 | CTAIR003 - Aviation Meteorology | AVT-1119 | Aviation Meteorology | 2 | |

| JROTC | | | | | |
|---|---|---|---|---|---|
| **PROFICIENCY** | | | | | |
| *ODE Course* | *Subject Code* | *Sinclair Course* | *Sinclair Course Name* | *Credit Hours* | *Sinclair Program Alignment* |
| N/A | | AVT 1141 | Principles of Aviation Leadership | 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.* |

| 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 | | MAT 1110 | Math for Technologists | 3 | |
| N/A | | MET 1131 | Personal Computer Applications for Engineering Technology | 1 | |