

ODE-Sinclair Credit Crosswalk: General Course Offerings

<https://education.ohio.gov/Topics/Career-Tech/Career-Fields>

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	Credit Hours	Notes
Principles of Allied Health	072035	ALH 1130: 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. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu
		ALH 1132: Heartsaver First Aid, CPR & AED	1	AHA Heartsaver First Aid, CPR/AED card required for credit. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu
N/A		BIS 1220: Word Processing Software	3	Proof of passing the Microsoft Office Specialist (MOS) Word Expert certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1240: Presentation Software	2	Proof of passing the Microsoft Office Specialist (MOS) PowerPoint Associate certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1250: Specialized Business Software Application	1	Proof of passing the Microsoft Office Specialist (MOS) Outlook certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1260: Database Software	3	Proof of passing the Microsoft Office Specialist (MOS) Access Expert certification exam required for credit. AY 24-25: Must test using Office 365/2021.

CTAG

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	

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		BIO 1107/ 1108: Human Biology w/Lab	3	
Animal and Plant Biotechnology		BTN 1110: Biotechnology & Bioethics	3	
N/A		BIS 1120: Introduction to Software Applications	3	PR credit is earned by completing eLearn shell content. AA credit is earned by providing proof of Microsoft Office Specialist (MOS) certification. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1201: Keyboarding & Document Formatting	3	
N/A		BIS 1230: Spreadsheet Software	3	Graded project along with proof of passing the Microsoft Office Specialist (MOS) Excel certification exam required for credit. AY 24-25: Must test using Office 365/2021.
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	25-26 AY UPDATE: Business Mathematics, 15th Edition; Clendenen, Moninger, Salzman; Pearson; 978-0134697222
N/A		MAT 1125: Math for the Culinary Arts & Baking & Pastry Arts Professional	3	New FPS for AY 24-25 - Kristin Killen, kristin.killen@sinclair.edu
N/A		MAT 1130: Mathematics in Health Sciences	3	
N/A		MET 1131: Personal Computer Applications for Engineering	1	

ODE-Sinclair Credit Crosswalk: Agricultural & Environmental Systems

Agribusiness and Production Systems (A0)

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
Agriculture, Food and Natural Resources	010105	AGR 1160: Introduction to Agriculture Science	1	Credit earned via FFA membership.

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Energy Systems Management	010715	CTAE001 - Introduction to Alternative and Renewable Energy	EGV 1101: Alternate & Renewable Energy Sources	3	
Animal and Plant Biotechnology	012010	CTBTC001	BTN 1110: Biotechnology & Bioethics	3	

Industrial Power Technology (A1)

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
Agriculture, Food and Natural Resources	010105	AGR 1160: Introduction to Agriculture Science	1	Credit earned via FFA membership.

Animal Science & Management (A2)

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
Agriculture, Food and Natural Resources	010105	AGR 1160: Introduction to Agriculture Science	1	Credit earned via FFA membership.

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Medical Terminology	072150	CTMT001 - Medical Terminology	HIM 1101: Medical Terminology	2	
Animal Science and Technology	010910	CTASM001 - Introduction to Animal Science	AGR 1110: Introduction to Large Animal Sciences: Handling & Husbandry	3	

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
Veterinary Science	010930	VET 1102: Introduction to Veterinary Technology I	2	
		VET 1202: Introduction to Veterinary Technology II	2	
		N/A	VET 1205: Clinical Practice I: Hospital Practices &	1

Agriculture, Food and Natural Resources Bioscience (A3)

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
Agriculture, Food and Natural Resources	010105	AGR 1160: Introduction to Agriculture Science	1	Credit earned via FFA membership.

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Animal and Plant Biotechnology	012010	CTBTC001	BTN 1110: Biotechnology & Bioethics	3	

Horticulture (A5)

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
Agriculture, Food and Natural Resources	010105	AGR 1160: Introduction to Agriculture Science	1	Credit earned via FFA membership.

Natural Resource Management (A6)

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
Agriculture, Food and Natural Resources	010105	AGR 1160: Introduction to Agriculture Science	1	Credit earned via FFA membership.

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Energy Systems Management	010715	CTAE001 - Introduction to Alternative and Renewable Energy	EGV 1101: Alternate & Renewable Energy Sources	3	
Solar and Wind Energy	010717	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

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
A1 Industrial Power Technology ONLY	010210	AUT 1100: Consumer Automotive	2	Credit is earned by graduating from a secondary career technical automotive program.
HAZWOPER Technician Level		FST 1555: Hazardous Waste Operations & Emergency Response	3	Proof of OSHA Standard 29 CFR 1919.120 or EPA 40 CFR Part 300 required for credit. NEW! AA Credit option for AY 24-25, FPS - Kirk Temple, kirk.temple@sinclair.edu

CTAG

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	

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		BIO 1107/ 1108: Human Biology w/Lab	3	
N/A		BIS 1400: Customer Service	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	1	

ODE-Sinclair Credit Crosswalk: Arts and Communication

Media Arts (B0)

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Digital Print Design	340320	CTVDI001	VIS 1150: Design Processes II	4	
Video Production	340145	CTIM006	VIS 1420: Video Production	4	Credit Recognition Guide

PROFICIENCY

ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
N/A			JOU 2101: Introduction to Journalism	3	
Media Arts Writing	340115 or		JOU 2203: Reporting & Writing for Media	3	
Multi-Media Web Production	340160				

Performing Arts (B1)

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Video Production	340145	CTIM006	VIS 1420: Video Production	4	Credit Recognition Guide

Visual Design and Imaging (B2)

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Advertising and Communication	340340	CTVDI002 - Fundamentals of Advertising and Communication	MRK 2102: Principles of Advertising	3	
Digital Print Design	340320	CTVDI001	VIS 1150: Design Processes II	4	
Video Production	340145	CTIM006	VIS 1420: Video Production	4	Credit Recognition Guide

PROFICIENCY

ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
N/A			CIS 1350: Web Site Development with HTML & CSS	3	Credit granted via portfolio review & eLearn shell content completion.
N/A			VIS 1100: Design Foundations	4	
N/A			VIS 1140: Design Processes I	4	
N/A			VIS 1210: Design Drawing	4	
N/A			VIS 1250: Print Production	4	

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

PROFICIENCY

ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
N/A			BIS 1400: Customer Service	3	
N/A			MAT 1120: Business Mathematics	3	25-26 AY UPDATE: Business Mathematics, 15th Edition; Clendenen, Moninger, Salzman; Pearson; 978-0134697222

ODE-Sinclair Credit Crosswalk: Business/Finance/Marketing

Business & Administrative Services (C4)

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		BIS 1220: Word Processing Software	3	Proof of passing the Microsoft Office Specialist (MOS) Word Expert certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1240: Presentation Software	2	Proof of passing the Microsoft Office Specialist (MOS) PowerPoint Associate certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1250: Specialized Business Software Application	1	Proof of passing the Microsoft Office Specialist (MOS) Outlook certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1260: Database Software	3	Proof of passing the Microsoft Office Specialist (MOS) Access Expert certification exam required for credit. AY 24-25: Must test using Office 365/2021.

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Medical Office Management	142015	CTMMS001 - Medical Office Procedures	BIS 2180: Medical Office Simulation	3	
Medical Terminology	072150	CTMT001 - Medical Terminology	HIM 1101: Medical Terminology	2	
Legal Environment of Business	142010	CTBU004	LAW 1101: Business Law	3	

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		BIS 1120: Introduction to Software Applications	3	PR credit is earned by completing eLearn shell content. AA credit is earned by providing proof of Microsoft Office Specialist (MOS) certification. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1230: Spreadsheet Software	3	Graded project along with proof of passing the Microsoft Office Specialist (MOS) Excel certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A		MAN 1114: Introduction to Sports Management	3	
N/A		MAN 2101: Introduction to Supervision	3	
Professional & Technical Sales	144030	MRK 2225: Sales Fundamentals	3	

Logistics and Supply Chain Management (C5)					
CTAG					
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Supply Chain Management	142025	CTSCM001 - Introduction to Supply Chain Management Technology	MAN 2159: Supply Chain Management Concepts & Applications	3	
Legal Environment of Business	142010	CTBU004	LAW 1101: Business Law	3	
PROFICIENCY					
ODE Course	Subject Code	Sinclair Course		Credit Hours	Notes
Marketing Principles	144000	MRK 2100: Foundations of Marketing		3	
Professional & Technical Sales	144030	MRK 2225: Sales Fundamentals		3	
Finance (G2)					
CTAG					
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Financial Accounting	143005	CTBU010 - Introduction to Financial Accounting	ACC 1210: Introduction to Financial Accounting	3	
Managerial Accounting	143015	CTBU011 - Introduction to Managerial Accounting	ACC 1220: Introduction to Managerial Accounting	3	
PROFICIENCY					
ODE Course	Subject Code	Sinclair Course		Credit Hours	Notes
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.
Professional & Technical Sales	144030	MRK 2225: Sales Fundamentals		3	
Marketing (S5)					
CTAG					
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Supply Chain Management	142025	CTSCM001 - Introduction to Supply Chain Management Technology	MAN 2159: Supply Chain Management Concepts & Applications	3	
PROFICIENCY					
ODE Course	Subject Code	Sinclair Course		Credit Hours	Notes
N/A		MAN 1114: Introduction to Sports Management		3	
Marketing Principles	144000	MRK 2100: Foundations of Marketing		3	
N/A		MRK 2135: Digital Marketing		3	
Professional & Technical Sales	144030	MRK 2225: Sales Fundamentals		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

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		BIS 1220: Word Processing Software	3	Proof of passing the Microsoft Office Specialist (MOS) Word Expert certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1240: Presentation Software	2	Proof of passing the Microsoft Office Specialist (MOS) PowerPoint Associate certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1250: Specialized Business Software Application	1	Proof of passing the Microsoft Office Specialist (MOS) Outlook certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1260: Database Software	3	Proof of passing the Microsoft Office Specialist (MOS) Access Expert certification exam required for credit. AY 24-25: Must test using Office 365/2021.
Merchandising & Buying	144025	MRK 2145: Principles of Retailing	3	NEW! Credit option for AY 24-25. Proof of passing WebXam Score required for credit

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		ACC 1100: Small Business Accounting	3	Course is now being offered as a PR credit. ODE Subject Code 143005 - Financial Accounting is now matched to ACC 1210 as a CTAG.
N/A		BIS 1120: Introduction to Software Applications	3	PR credit is earned by completing eLearn shell content. AA credit is earned by providing proof of Microsoft Office Specialist (MOS) certification. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1230: Spreadsheet Software	3	Graded project along with proof of passing the Microsoft Office Specialist (MOS) Excel certification exam required for credit. AY 24-25: Must test using Office 365/2021.
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 1120: Business Mathematics	3	25-26 AY UPDATE: Business Mathematics, 15th Edition; Clendenen, Moninger, Salzman; Pearson; 978-0134697222

ODE-Sinclair Credit Crosswalk: Construction Technologies

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

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		CAT 1810: Construction Techniques I	3	To earn this AA credit, students must provide proof of either NCCER Core or Career Connections Level I and II.
N/A		CAT 1820: Construction Techniques II	3	To earn this AA credit, students must provide proof of either NCCER Carpentry Level I or Career Connections Level III.
N/A		CAT 1830: Construction Techniques III	3	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	5	Proof of NCCER Electrical Level 1 OR IBEW, JATC NECA certificate IEC based, IEC certificate.
Heating and Cooling Systems	178012	HVA 1241: HVAC Installation Techniques & Practices	3	NEW! Credit option for AY 24-25, FPS - De Dawson, delacy.dawson@sinclair.edu
Sheet Metal	178014			

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	
Carpentry & Masonry Technical Skills	178001	CTCON003 - Construction Methods and Materials	CAT 1201: Construction Methods & Materials	3	
Current and valid OSHA 10-hour safety card		CTS001 - Safety	CAT 1431: OSHA Construction Standards 10 Hour	1	
Construction Safety & Crew Leadership AND	178018	CTCON002 - Construction Safety	CAT 2431: OSHA Construction Standards	2	Credit Recognition Guide
Obtain a valid OSHA 30 hour card in general					

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		CAT 1121: Architectural Graphics II	3	NEW! Credit option for AY 24-25, FPS – Alexandra Bohler, alexandra.bohler@sinclair.edu
Plan Reading and Estimating	178019	CAT 1401: Construction Cost Estimating	3	
Principles of Wood Construction	178030	CAT 1701: Construction Craft Skills/Concrete	4	
Structural Systems	178003	CAT 1721: Structural Framing Systems	4	
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: Construction Project Management	3	
HVAC Refrigeration	178013	HVA 1201: Basic HVAC Systems with Cooling	3	NEW! Credit option for AY 24-25, FPS - De Dawson, delacy.dawson@sinclair.edu
N/A		HVA 1221: Heating Systems	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

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 Computer Applications for Engineering	1	

ODE-Sinclair Credit Crosswalk: Education & Training

Early Childhood Education (E0)

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	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: Health & Safety Environments	3	
Infant and Toddler Education	350210	CTECE003 - Infant and Toddler Curriculum	ECE 2302: Infant & Toddler Curriculum	3	

Teaching Professions (E1)

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	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

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
Principles of Allied Health	072035	ALH 1130: 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. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu
		ALH 1132: Heartsaver First Aid, CPR & AED	1	AHA Heartsaver First Aid, CPR/AED card required for credit. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		BIO 1107/ 1108: Human Biology w/Lab	3	
N/A		BIS 1400: Customer Service	3	
N/A		MAT 1120: Business Mathematics	3	25-26 AY UPDATE: Business Mathematics, 15th Edition; Clendenen, Moninger, Salzman; Pearson; 978-0134697222

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.
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.
		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	

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	145030	CTIT014 - PC Operating System/A+	CIS 2731: A+ Hardware & Software	4	
Computer Hardware	145025 and				
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 tech prep courses available to all pathways but often paired with courses in this pathway. These courses may be taught by academic					
CTAG					
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	
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 Computer Applications for Engineering		1	

ODE-Sinclair Credit Crosswalk: Information Technology					
Information Support and Services (N0)					
ARTICULATED					
ODE Course	Subject Code	Sinclair Course		Credit Hours	Notes
Information Technology	145005	BIS 1105: IT Fundamentals		3	Credit awarded with proof of IT Fundamentals certification or passing WebXam score.
CTAG					
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Computer Software	145030	CTIT005 - Intro Desktop O.S.	CIS 1107: Introduction to Operating Systems	3	
Programming	145060	CTPROG001 - Computer Logic	CIS 1111: Introduction to Problem Solving & Computer Programming	3	
Networking	145035 and	CTIT002 - Networking/CompTIA Network+	CIS 1130: Network Fundamentals	3	
Network Management	145045				
Object Oriented Programming	145065	CTPROG003 - C++ Programming	CIS 1202: C++ Software Development	3	
		CTPROG002 - Java Programming	CIS 2212: Java Software Development I	3	
Computer Software	145030 and	CTIT011 - MS Windows Desktop OS	CIS 1510: Windows Client Operating System	3	
Network Operating Systems	145040				
Networking Operating Systems	145040	CTIT013 - MS Server Administration	CIS 2510: Microsoft Windows Server Operating System	3	
		CTIT016 - Linux	CIS 2550: Linux Operating System	3	
Network Security	145050	CTIT015 - CompTIA Security +	CIS 2640: Network Security	3	
		CTIT006 - Intro to User Support	CIS 2711: Enterprise Desktop Support Technician	3	
Computer Software	145030 and	CTIT014 - PC Operating System/A+	CIS 2731: A+ Hardware & Software	4	
Computer Hardware	145025 and				
PROFICIENCY					
ODE Course	Subject Code	Sinclair Course		Credit Hours	Notes
N/A		CIS 1140: Information Systems Analysis & Design		3	
N/A		CIS 1160: Introduction to Data Literacy		3	NEW! Credit option for AY 24-25, FPS - Paul Hansford, paul.hansford@sinclair.edu
N/A		CIS 1350: Web Site Development with HTML & CSS		3	
N/A		CIS 2165: Database Management		3	

Interactive Media (N1)					
ARTICULATED					
ODE Course	Subject Code	Sinclair Course		Credit Hours	Notes
Information Technology	145005	BIS 1105: IT Fundamentals		3	Credit awarded with proof of IT Fundamentals certification or passing WebXam score.
CTAG					
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Programming	145060	CTPROG001 - Computer Logic	CIS 1111: Introduction to Problem Solving & Computer Programming	3	
Object Oriented Programming	145065	CTPROG003 - C++ Programming	CIS 1202: C++ Software Development	3	
		CTPROG002 - Java Programming	CIS 2212: Java Software Development I	3	
PROFICIENCY					
ODE Course	Subject Code	Sinclair Course		Credit Hours	Notes
N/A		CIS 1140: Information Systems Analysis & Design		3	
N/A		CIS 1160: Introduction to Data Literacy		3	NEW! Credit option for AY 24-25, FPS - Paul Hansford, paul.hansford@sinclair.edu
N/A		CIS 1350: Web Site Development with HTML & CSS		3	
N/A		VIS 1100: Design Foundations		4	Credit granted via portfolio review & eLearn shell content completion.
N/A		VIS 1140: Design Processes I		4	Credit granted via portfolio review & eLearn shell content completion.
N/A		VIS 1210: Design Drawing		4	Credit granted via portfolio review & eLearn shell content completion.
N/A		VIS 1250: Print Production		4	Credit granted via portfolio review & eLearn shell content completion.

Networking (N2)					
ARTICULATED					
ODE Course	Subject Code	Sinclair Course		Credit Hours	Notes
Information Technology	145005	BIS 1105: IT Fundamentals		3	Credit awarded with proof of IT Fundamentals certification or passing WebXam score.
CTAG					
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Computer Software	145030	CTIT005 - Intro Desktop O.S.	CIS 1107: Introduction to Operating Systems	3	
Programming	145060	CTPROG001 - Computer Logic	CIS 1111: Introduction to Problem Solving & Computer Programming	3	
Networking	145035 and	CTIT002 - Networking/CompTIA Network+	CIS 1130: Network Fundamentals	3	
Network Management	145045				
Object Oriented Programming	145065	CTPROG003 - C++ Programming	CIS 1202: C++ Software Development	3	
		CTPROG002 - Java Programming	CIS 2212: Java Software Development I	3	
Computer Software	145030 and	CTIT011 - MS Windows Desktop OS	CIS 1510: Windows Client Operating System	3	
Network Operating Systems	145040				
Networking Operating Systems	145040	CTIT013 - MS Server Administration	CIS 2510: Microsoft Windows Server Operating System	3	
		CTIT016 - Linux	CIS 2550: Linux Operating System	3	
Network Security	145050	CTIT015 - CompTIA Security +	CIS 2640: Network Security	3	
		CTIT006 - Intro to User Support	CIS 2711: Enterprise Desktop Support Technician	3	
Computer Software	145030	CTIT014 - PC Operating System/A+	CIS 2731: A+ Hardware & Software	4	
Computer Hardware	145025 and				
PROFICIENCY					
ODE Course	Subject Code	Sinclair Course		Credit Hours	Notes
N/A		CIS 1140: Information Systems Analysis & Design		3	
N/A		CIS 1160: Introduction to Data Literacy		3	NEW! Credit option for AY 24-25, FPS - Paul Hansford, paul.hansford@sinclair.edu
N/A		CIS 1350: Web Site Development with HTML & CSS		3	
N/A		CIS 2165: Database Management		3	

Programming and Software Development (N3)					
ARTICULATED					
ODE Course	Subject Code	Sinclair Course		Credit Hours	Notes
Information Technology	145005	BIS 1105: IT Fundamentals		3	Credit awarded with proof of IT Fundamentals certification or passing WebXam score.
CTAG					
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Programming	145060	CTPROG001 - Computer Logic	CIS 1111: Introduction to Problem Solving & Computer Programming	3	
Object Oriented Programming	145065	CTPROG003 - C++ Programming	CIS 1202: C++ Software Development	3	
		CTPROG002 - Java Programming	CIS 2212: Java Software Development I	3	
PROFICIENCY					
ODE Course	Subject Code	Sinclair Course		Credit Hours	Notes
N/A		CIS 1140: Information Systems Analysis & Design		3	
N/A		CIS 1160: Introduction to Data Literacy		3	NEW! Credit option for AY 24-25, FPS - Paul Hansford, paul.hansford@sinclair.edu
N/A		CIS 1350: Web Site Development with HTML & CSS		3	
N/A		CIS 2165: Database Management		3	
N/A		CIS 2266: Python for Data Analytics		3	
Cybersecurity (N4)					
CTAG					
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Computer Software	145030	CTIT005 - Intro Desktop O.S.	CIS 1107: Introduction to Operating Systems	3	
Programming	145060	CTPROG001 - Computer Logic	CIS 1111: Introduction to Problem Solving & Computer Programming	3	
Networking	145035 and 145045	CTIT002 - Networking/CompTIA Network+	CIS 1130: Network Fundamentals	3	
Network Management					
Computer Software	145030 and 145040	CTIT011 - MS Windows Desktop OS	CIS 1510: Windows Client Operating System	3	
Network Operating Systems					
Networking Operating Systems	145040	CTIT013 - MS Server Administration	CIS 2510: Microsoft Windows Server Operating System	3	
		CTIT016 - Linux	CIS 2550: Linux Operating System	3	
Network Security	145050	CTIT015 - CompTIA Security +	CIS 2640: Network Security	3	
		CTIT006 - Intro to User Support	CIS 2711: Enterprise Desktop Support Technician	3	
Computer Software	145030	CTIT014 - PC Operating System/A+	CIS 2731: A+ Hardware & Software	4	
Computer Hardware	145025 and				

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

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		BIS 1120: Introduction to Software Applications	3	PR credit is earned by completing eLearn shell content. AA credit is earned by providing proof of Microsoft Office Specialist (MOS) certification. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1201: Keyboarding & Document Formatting	3	
N/A		BIS 1230: Spreadsheet Software	3	Graded project along with proof of passing the Microsoft Office Specialist (MOS) Excel certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1400: Customer Service	3	
N/A		MAT 1120: Business Mathematics	3	25-26 AY UPDATE: Business Mathematics, 15th Edition; Clendenen, Moninger, Salzman; Pearson; 978-0134697222

ODE-Sinclair Credit Crosswalk: Health Science

Exercise Science and Sports Medicine (J6)

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
Patient Centered Care and Diagnostics	072055	ALH 1120: Nurse Aide Training	4	Proof of STNA Certification required for credit. New FPS for AY 24-25 - Ayisha Walker, ayisha.walker@sinclair.edu
Principles of Allied Health	072035	ALH 1130: 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. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu
		ALH 1132: Heartsaver First Aid, CPR & AED	1	AHA Heartsaver First Aid, CPR/AED card required for credit. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Exercise and Athletic Training	072000	CTES001 - Introduction to Exercise Science	ENS 1116: Exercise Science & Health Promotion	2	
Fitness Evaluation and Assessment	072020	CTES002 - Fitness and Health Foundations	ENS 1118: Lifetime Physical Fitness & Wellness	3	
Medical Terminology	072150	CTMT001 - Medical Terminology	HIM 1101: Medical Terminology	2	

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
Health Science and Technology	072001	ALH 1101: Introduction to Healthcare Delivery	2	New FPS for AY 24-25 - Johanne Doty, johanne.doty@sinclair.edu
Nutrition and Wellness	072015	DIT 1111: Nutrition for Health & Fitness	3	

Allied Health and Nursing - Dental Assisting (JM)

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
Patient Centered Care and Diagnostics	072055	ALH 1120: Nurse Aide Training	4	Proof of STNA Certification required for credit. New FPS for AY 24-25 - Ayisha Walker, ayisha.walker@sinclair.edu
Principles of Allied Health	072035	ALH 1130: 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. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu
		ALH 1132: Heartsaver First Aid, CPR & AED	1	AHA Heartsaver First Aid, CPR/AED card required for credit. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Clinical Laboratory Techniques	072100	CTMLT001 - Intro to Medical (Clinical) Laboratory Science	CLT 1200/ 1203 Introduction to Clinical Laboratory w/Lab	2	
Dental Radiography	072076	CTDA002 - Dental Assisting	DAS 1206/ 1207: Dental Assisting Radiography w/Lab	2	
Medical Terminology	072150	CTMT001 - Medical Terminology	HIM 1101: Medical Terminology	2	
Health Information Technology	072135	CTHIM001 - Intro to Health Information Management	HIM 1110: Health Information Processing	3	
Health Information Management	072140	CTHIM002 - Legal and Ethical Aspects of Health Information Management	HIM 1204: Medicolegal & Ethics in Healthcare Records	2	
Mental Health	072065	CTBH001 - Mental Health	MHT 1101: Introduction to Mental Health Services	3	
Integrated Behavioral Health	072066	CTBH002 - Chemical Dependency	MHT 1130: Fundamentals of Addiction Counseling CDCA Preliminary	3	

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
Health Science and Technology	072001	ALH 1101: Introduction to Healthcare Delivery	2	New FPS for AY 24-25 - Johanne Doty, johanne.doty@sinclair.edu
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. New FPS for AY24-25 Wendy Moore.
Nutrition and Wellness	072015	DIT 1111: Nutrition for Health & Fitness	3	

Therapeutic Services (JN)					
CTAG					
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Mental Health	072065	CTBH001 - Mental Health	MHT 1101: Introduction to Mental Health Services	3	
Integrated Behavioral Health	072066	CTBH002 - Chemical Dependency	MHT 1130: Fundamentals of Addiction Counseling CDCA Preliminary	3	
Medical Bioscience (J0)					
ARTICULATED					
ODE Course	Subject Code	Sinclair Course		Credit Hours	Notes
Principles of Allied Health	072035	ALH 1130: 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. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu
		ALH 1132: Heartsaver First Aid, CPR & AED		1	AHA Heartsaver First Aid, CPR/AED card required for credit. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu
CTAG					
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Medical Terminology	072150	CTMT001 - Medical Terminology	HIM 1101: Medical Terminology	2	
Biotechnology for Health and Disease	072125	CTBTC001	BTN 1110: Biotechnology & Bioethics	3	
PROFICIENCY					
ODE Course	Subject Code	Sinclair Course		Credit Hours	Notes
Health Science and Technology	072001	ALH 1101: Introduction to Healthcare Delivery		2	New FPS for AY 24-25 - Johanne Doty, johanne.doty@sinclair.edu
N/A		BIO 1107/ 1108: Human Biology w/Lab		3	
N/A		BTN 1120: Lab Safety & Regulatory Compliance		2	

Health Information Management (J7)

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
Patient Centered Care and Diagnostics	072055	ALH 1120: Nurse Aide Training	4	Proof of STNA Certification required for credit. New FPS for AY 24-25 - Ayisha Walker, ayisha.walker@sinclair.edu
Principles of Allied Health	072035	ALH 1130: 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. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu
		ALH 1132: Heartsaver First Aid, CPR & AED	1	AHA Heartsaver First Aid, CPR/AED card required for credit. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Medical Terminology	072150	CTMT001 - Medical Terminology	HIM 1101: Medical Terminology	2	
Health Information Technology	072135	CTHIM001 - Intro to Health Information Management	HIM 1110: Health Information Processing	3	
Health Information Management	072140	CTHIM002 - Legal and Ethical Aspects of Health Information Management	HIM 1204: Medicolegal & Ethics in Healthcare Records	2	

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
Health Science and Technology	072001	ALH 1101: Introduction to Healthcare Delivery	2	New FPS for AY 24-25 - Johanne Doty, johanne.doty@sinclair.edu

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

CTAG

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	

PROFICIENCY

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

ODE-Sinclair Credit Crosswalk: Hospitality and Tourism

Culinary Arts (L0)

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Fundamentals of Food Production	330100	CTCF005 - Food Production Lab	HMT 1101: Basic Culinary Skills	2	
Hospitality Fundamentals	330000	CTCF002 -Introduction to Hospitality and Tourism	HMT 1105: Introduction to the Hospitality & Tourism Industry	2	
ServSafe® Manager Certification		CTCF001 - Sanitation and Safety	HMT 1107: Sanitation & Safety	2	
Baking and Pastry Arts	330125	CTCF010 - Baking and Pastry Arts	HMT 1129: Restaurant Desserts	3	
Restaurant Management	330120	CTCF009 - Food Principles & Purchasing	HMT 2226: Hospitality Purchasing & Negotiations	2	

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
Baking and Pastry Arts	330125	HMT 1126: Baking I, II, & Barista Basics	4	
N/A		HMT 2201: Food Service Equipment, Design, & Maintenance	2	
N/A		HMT 2227: Hospitality Marketing	2	
N/A		MAT 1125: Math for the Culinary Arts & Baking & Pastry Arts Professional	3	New FPS for AY 24-25 - Kristin Killen, kristin.killen@sinclair.edu

Hospitality (L1)

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Hospitality Fundamentals	330000	CTCF002 -Introduction to Hospitality and Tourism	HMT 1105: Introduction to the Hospitality & Tourism Industry	2	
ServSafe® Manager Certification		CTCF001 - Sanitation and Safety	HMT 1107: Sanitation & 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	HMT 1136: Front Office Operations	2	
			HMT 1139: Housekeeping Management	2	

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
Event and Food Planning	330021	HMT 1148: Meeting & Events Contracts & Obligations	1	
		HMT 1149: Meeting & Events Set-up & Breakdown	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

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		BIS 1400: Customer Service	3	

ODE-Sinclair Credit Crosswalk: Human Services

Cosmetology (M1)

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		PRL 2107: Cosmetology	30	Proof of active State of Ohio Cosmetology license required for 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

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		BIS 1120: Introduction to Software Applications	3	PR credit is earned by completing eLearn shell content. AA credit is earned by providing proof of Microsoft Office Specialist (MOS) certification. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1201: Keyboarding & Document Formatting	3	
N/A		BIS 1230: Spreadsheet Software	3	Graded project along with proof of passing the Microsoft Office Specialist (MOS) Excel certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1400: Customer Service	3	
Business Foundations	141000	MAN 1107: Foundations of Business	3	
N/A		MAT 1120: Business Mathematics	3	25-26 AY UPDATE: Business Mathematics, 15th Edition; Clendenen, Moninger, Salzman; Pearson; 978-0134697222

ODE-Sinclair Credit Crosswalk: Law & Public Safety

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

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
Firefighter I	170343	FST 1102: Firefighter I	7	NEW! AA Credit option for AY 24-25, FPS - Kirk Temple, kirk.temple@sinclair.edu
Firefighter II	170344	FST 1103: Firefighter II Transition	4	
Emergency Vehicle Operator	N/A	FST 1442: Emergency Vehicle Operator	1	

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
The American Criminal Justice System	170911	CTCJ001 - Introduction to Criminal Justice	CJS 1101: Introduction to Criminal Justice Science	3	Credit Recognition Guide
Police Work & Practice in Public Safety	170913				
The Correctional System & Services	170915				
		CTEMS001 - Emergency Medical Responder	EMS 1100: Emergency Medical Responder Lecture & Laboratory	2	
		CTEMS002 - Emergency Medical Technician	EMS 1150 & EMS 1155: Emergency Medical Technician: Lecture & Laboratory for Emergency Medical Technician	7	
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				
Medical Terminology	072150	CTMT001 - Medical Terminology	HIM 1101: Medical Terminology	2	

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		CJS 1105: Criminal Law	3	Credit Recognition Guide
Investigations and Forensics in Criminal Investigations	170914	CJS 2205: Introduction to Criminal Investigation & Forensic Science	3	New FPS for AY 24-25 - Joe Niehaus, joseph.niehaus@sinclair.edu

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

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
Principles of Allied Health	072035	ALH 1130: 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. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu
		ALH 1132: Heartsaver First Aid, CPR & AED	1	AHA Heartsaver First Aid, CPR/AED card required for credit. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu

CTAG

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	

PROFICIENCY

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

ODE-Sinclair Credit Crosswalk: Manufacturing Technologies

Manufacturing Operations (R7)

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.
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
N/A		MET 1301: SolidWorks Basics	4	Proof of Solidworks certification required for credit.

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Digital Electronics	175007	CTEET002 - Digital Electronics	EET 1131: Digital Electronics	4	
Computer Integrated Manufacturing	175006	CTMET005 - Computer Aided Drafting and Design (CADD)	MET 1231: Introduction to Engineering Design Using 3D CAD	4	

PROFICIENCY

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	

Metallurgy (R8)

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	

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 tech prep courses available to all pathways but often paired with courses in this pathway. These courses may be taught by academic

CTAG

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	

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 Computer Applications for Engineering	1	

ODE-Sinclair Credit Crosswalk: Transportation Systems - Aviation

Air Transportation (TA)

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:

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		AVT 1113: Drawings for Aviation	2	FAA Credential Required
N/A		AVT 1116: Regulations for Maintenance	3	
N/A		AVT 1118: Weight & Balance	3	
N/A		AVT 1130: Basic Aviation Electricity I	2	
N/A		AVT 1132: Basic Aviation Electricity II	2	
N/A		AVT 1135: Materials & Processes	4	
N/A		AVT 1213: Corrosion	2	
N/A		AVT 2143: Review & Recommendation	2	
N/A		AVT 2237: Aircraft Inspections (Airframe and Eng.)	3	

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

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		AVT 1106: Airframe Safety Systems	2	FAA Credential Required
N/A		AVT 1107: Fuel Systems	3	
N/A		AVT 1133: Instruments/Communications	3	
N/A		AVT 1136: Sheet Metal	4	
N/A		AVT 1214: Cabin Atmospheric Control	3	
N/A		AVT 1218: Utility Systems	4	
N/A		AVT 2121: Assembly & Rigging	3	
N/A		AVT 2132: Airframe Electrical Systems	4	
N/A		AVT 2236: Non-Metallic Structures	3	

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

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		AVT 1128: Powerplant Safety Systems	3	FAA Credential Required
N/A		AVT 2122: Ignition & Starting	3	
N/A		AVT 2126: Reciprocating Engines	4	
N/A		AVT 2129: Propellers	2	
N/A		AVT 2138: Engine Fuel & Fuel Metering	3	
N/A		AVT 2219: Turbine Engines	4	

CTAG

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

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		AVT 1101: Introduction to Unmanned Aerial Systems	2	New FPS for AY 24-25 - Tommy Sunderhaus, tommy.sunderhaus@sinclair.edu
N/A		AVT 1103: Remote Pilot 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 Remote Pilot Certification. New FPS for AY 24-25 - Tommy Sunderhaus, tommy.sunderhaus@sinclair.edu
N/A		AVT 1104: UAS Standards, Regulations & Law	1	New FPS for AY 24-25 - Tommy Sunderhaus, tommy.sunderhaus@sinclair.edu
N/A		AVT 1141: Principles of Aviation Leadership	2	
N/A		AVT 2150: Crew Resource Management for UAS	1	
N/A		AVT 2151: UAS Operations I	3	

JROTC**PROFICIENCY**

ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		AVT 1141: Principles of Aviation Leadership	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

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 Computer Applications for Engineering	1	

ODE-Sinclair Credit Crosswalk: Transportation Systems - Automotive

Ground Transportation (T9)

ARTICULATED

ODE Course	Subject Code	Sinclair Course	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 A1-Engine Repair with a passing grade of 70% or higher to be awarded credit.
N/A		AUT 1114: Automotive Electrical/Electronic Systems 1	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 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 ASE student certification exam A5- Brakes with a passing grade of 70% or higher to be awarded credit.

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Ground Transportation Maintenance AND	177000	CTAUT005 - Introduction to Automotive Service and Repair	AUT 1102: Introduction to Automotive Service	2	Credit Recognition Guide
ASE/NATEF examination for Maintenance and					

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

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 Computer Applications for Engineering	1	