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.*
N/A		BIS 1220	Word Processing Software	3	*Proof of passing the Microsoft Office Specialist (MOS) Word Expert certification exam required for credit*
N/A		BIS 1240	Presentation Software	2	*Proof of passing the Microsoft Office Specialist (MOS) PowerPoint Associate certification exam required for credit*
N/A		BIS 1250	Specialized Business Software Application	1	*Proof of passing the Microsoft Office Specialist (MOS) Outlook certification exam required for credit*
N/A		BIS 1260	Database Software	3	*Proof of passing the Microsoft Office Specialist (MOS) Access Expert certification exam 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	
Animal and Plant Biotechnology		BTN 1110	Biotechnology & Bioethics	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 1125	Math for the Culinary Arts Baking and Pastry Arts Professional	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)

ARTICULATED

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 carned via FFA membership*

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	

Industrial Power Technology (A1)

ARTICULATED

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 earned via FFA membership*

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	
N/A		VET 1205	Clinical Practice I: Hospital Practices & Professionalism	1	NEW! Please refer to the Need to Know document for additional information.

ARTICULATED

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 carned via FFA membership*

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
Medical Terminology	072150	CTMT001 - Medical Terminology	HIM 1101	Medical Terminology	2	
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)

ARTICULATED

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 carned via FFA membership*

Horticulture (A5)					
ARTICULATED					
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 carned via FFA membership*

Natural Resource Management (A6)					
ARTICULATED					
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 carned via FFA membership*

CTAG					
ODE Course	Subject Code	CTAN	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
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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	
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	*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	

Note: the CTAG header row above spans ODE Course, Subject Code, CTAN, Sinclair Course, Sinclair Course Name, Credit Hours, Notes.

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	

Performing Arts (B1)

No current credit options

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	
N/A	N/A	VIS 1100	Design Foundations	4	*Credit granted via portfolio review & eLearn shell content completion*
N/A	N/A	VIS 1210	Design Drawing	4	*Credit granted via portfolio review & eLearn shell content completion*
N/A	N/A	VIS 1140	Design Processes I	4	*Credit granted via portfolio review & eLearn shell content completion*
N/A	N/A	VIS 1250	Print Production	4	*Credit granted via portfolio review & eLearn shell content completion*

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	
Typography	340320	CTVDI001 - Design and Typography Fundamentals	VIS 1208	Typography	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 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)

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Sinclair Course Name	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*
N/A		BIS 1240	Presentation Software	2	*Proof of passing the Microsoft Office Specialist (MOS) PowerPoint Associate certification exam required for credit*
N/A		BIS 1250	Specialized Business Software Application	1	*Proof of passing the Microsoft Office Specialist (MOS) Outlook certification exam required for credit*
N/A		BIS 1260	Database Software	3	*Proof of passing the Microsoft Office Specialist (MOS) Access Expert certification exam required for credit*

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
N/A		MAN 1110	International Business	3	No longer aligns to an ODE subject code.
N/A		MAN 1114	Introduction to Sports Management	3	
Professional & Technical Sales	144030	MRK 2225	Sales Fundamentals	3	
N/A		MAN 2101	Introduction to Supervision	3	NEW! Please refer to the Need to Know document for additional information.

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Sinclair Course Name	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	

Financial Accounting	143005	CTBU010 Introduction to Financial Accounting	ACC 1210	Introduction to Finanical Accounting	3	This is a new CTAG for the 23-24 AY.
Introduction to Managerial Accounting	143015	CTBU011 Introdcution to Managerial Accounting	ACC 1220	Introduction to Managerial Accounting	3	This is a new CTAG for the 23-24 AY
Legal Environment of Business	142010	CTBU004	LAW 1101	Business Law	3	NEW!

Logistics and Supply Chain Management (C5)

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
Professional & Technical Sales	144030	MRK 2225	Sales Fundamentals	3	
Marketing Principles	144000	MRK 2100	Foundations of Marketing	3	New FPS - Navdeep Brar navdeep.brar@sinclair.edu

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	
Legal Environment of Business	142010	CTBU004	LAW 1101	Business Law	3	NEW!

Finance (G2)

PROFICIENCY

ODE Course	Subject Code	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
N/A		MAN 1110	International Business	3	No longer aligns to an ODE subject code.
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.

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
Financial Accounting	143005	CTBU010 Introduction to Financial Accounting	ACC 1210	Introduction to Finanical Accounting	3	This is a new CTAG for the 23-24 AY.
Introduction to Managerial Accounting	143015	CTBU011 Introduction to Managerial Accouting	ACC 1220	Introduction to Managerial Accounting	3	This is a new CTAG for the 23-24 AY.

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	
N/A		MAN 1110	International Business	3	No longer aligns to an ODE subject code.
N/A		MAN 1114	Introduction to Sports Management	3	
N/A		MRK 2135	Digital Marketing	3	NEW! Please refer to the Need to Know document for additional information.

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	
Introduction to Managerial Accounting	143015	CTBU011 Introduction to Managerial Accouting	ACC 1220	Introduction to Managerial Accounting	3	This is a new CTAG for the 23-24 AY.

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		ACC 1100	Small Business Accounting	3	*Course is now being offered as a PR credit. ODE Subject Code143005 - 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 shell. 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	

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Sinclair Course Name	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*
N/A	BIS 1240	Presentation Software	2	*Proof of passing the Microsoft Office Specialist (MOS) PowerPoint Associate certification exam required for credit*
N/A	BIS 1250	Specialized Business Software Application	1	*Proof of passing the Microsoft Office Specialist (MOS) Outlook certification exam required for credit*
N/A	BIS 1260	Database Software	3	*Proof of passing the Microsoft Office Specialist (MOS) Access Expert certification exam required for credit*

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	Construction Project Management	3	
Plan Reading and Estimating	178019	CAT 1401	Construction Cost Estimating	3	
N/A		HVA 1221	Heating Systems	3	NEW! Please refer to the Need to Know document for additional information.

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.*

		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	

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.*

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 Cost 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.*
N/A		CAM 1108	Machine Shop Fundamentals	3	
~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 PLTW

PLTW Course	Subject Code	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
Introduction to Engineering Design	N/A	MET 1231	Introduction to Engineering Design Using 3D CAD	4	*This course can only be captured via PLTW with scale score of 420 or stanine of 6. Both instructor and students MUST be PLTW.*
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.*

ARTICULATED Non-PLTW

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.*
	N/A	ISE 2240	Six Sigma	3	NEW! Please refer to Need to Know document for additional information.
	N/A	ISE 1201	Introduction to Safety	2	NEW! Please refer to Need to Know document for additional information.
	N/A	ISE 1202	Quality Practices and Measurement for Manufacturing	2	NEW! Please refer to Need to Know document for additional information.
	N/A	ISE 1203	Manufacturing Processes and Production	2	NEW! Please refer to Need to Know document for additional information.

		ISE 1204	Maintenance Awareness for Manufacturing	2	NEW! Please refer to Need to Know document for additional information.
N/A					

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
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	
Computer Software	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: 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	
N/A	N/A	CIS 1140	Information Systems Analysis & Design	3	NEW! Please refer to Need to Know document for additional information.

ARTICULATED					
ODE Course	*Subject Code*	*Sinclair Course*	*Sinclair Course Name*	*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*	*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	
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	
		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 & eLearn shell content completion*
N/A	N/A	VIS 1210	Design Drawing	4	*Credit granted via portfolio review & eLearn shell content completion*
N/A	N/A	VIS 1140	Design Processes I	4	*Credit granted via portfolio review & eLearn shell content completion*
N/A	N/A	VIS 1250	Print Production	4	*Credit granted via portfolio review & eLearn shell content completion*
N/A	N/A	CIS 1140	Information Systems Analysis & Design	3	NEW! Please refer to Need to Know document for additional information.

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Sinclair Course Name	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	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	
Object Oriented Programming	145065	CTPROG003 - C++ Programming	CIS 1202	C++ Software Development	3	
		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	
N/A	N/A	CIS 1140	Information Systems Analysis & Design	3	NEW! Please refer to Need to Know document for additional information.

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Sinclair Course Name	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	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	
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 | |
| | | 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 2266	Python for Data Analytics	3	
N/A	N/A	CIS 1350	Web Site Development with HTML & CSS	3	
N/A	N/A	CIS 1140	Information Systems Analysis & Design	3	NEW! Please refer to Need to Know document for additional information.

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Sinclair Course Name	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	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	
		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					

ODE Course	Subject Code	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
Network Management	145045	CTIT002 - Networking/CompTIA Network +	CIS 1130	Network Fundamentals	3	
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	
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	

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: 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	

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	2	
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	
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! Wendy Moore**

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	2	
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	
Mental Health	072065	CTBH001 - Mental Health	MHT 1101	Introduction to Mental Health Services	3	NEW!
Integrated Behavioral Health	072066	CTBH002 - Chemical Dependency	MHT 1130	Fundamentals of Addiction Counseling CDCA Preliminary	3	NEW!
Dental Radiography & Lab	072076	CTDA002 - Dental Assisting	DAS 1206/1207	Dental Radiography & Lab	3	NEW!

Therapeutic Services

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
Mental Health	072065	CTBH001 - Mental Health	MHT 1101	Introduction to Mental Health Services	3	NEW!
Integrated Behavioral Health	072066	CTBH002 - Chemical Dependency	MHT 1130	Fundamentals of Addiction Counseling CDCA Preliminary	3	NEW!

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	

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.*

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
Medical Terminology	072150	CTMT001 - Medical Terminology	HIM 1101	Medical Terminology	2	

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	2	
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	
ODE Course	Subject Code	CTAN	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
Baking and Pastry Arts	116961	CTCF010	HMT 1129	Restaurant Desserts	3	

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Sinclair Course Name	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 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	HMT 1136	Front Office Operations	4	
			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)

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Sinclair Course Name	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 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: 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	New FPS - Michael Rhinehart michael.rhinehart@sinclair.edu
N/A		CJS 1105	Criminal Law	3	New FPS - Michael Rhinehart michael.rhinehart@sinclair.edu
N/A		CJS 1155	Homeland Security Issues & Administration	3	New FPS - Michael Rhinehart michael.rhinehart@sinclair.edu
Investigations and Forensics in Criminal Investigations	170914	CJS 2205	Introduction to Criminal Investigation & Forensic Science	3	New FPS - Michael Rhinehart michael.rhinehart@sinclair.edu

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
The American Criminal Justice System	170911	CTCJ001 - Introduction to Criminal Justice	CJS 1101	Introduction to Criminal Justice Science	3	New FPS - Michael Rhinehart michael.rhinehart@sinclair.edu
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	7	
		CTEMS001 - Emergency Medical Responder	EMS 1100	Emergency Medical Responder Lecture & Laboratory	2	
Medical Terminology	072150	CTMT001 - Medical Terminology	HIM 1101	Medical Terminology	2	
			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	
Current Ohio Paramedic certification		CTEMS004 - Paramedic	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

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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		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.*
N/A		CAM 1108	Machine Shop Fundamentals	3	
~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*
N/A		ISE 2240	Six Sigma	3	NEW! Please refer to Need to Know document for additional information.
N/A		ISE 1201	Introduction to Safety	2	NEW! Please refer to Need to Know document for additional information.
N/A		ISE 1202	Quality Practices and Measurement for Manufacturing	2	NEW! Please refer to Need to Know document for additional information.
N/A		ISE 1203	Manufacturing Processes and Production	2	NEW! Please refer to Need to Know document for additional information.
N/A		ISE 1204	Maintenance Awareness for Manufacturing	2	NEW! Please refer to Need to Know document for additional information.

CTAG

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

General Tech Prep Courses for All Pathways

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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 - 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 1104	UAS Standards, Regulations and Law	1	NEW! Please refer to Need to Know document for additional information.
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.*
N/A		AVT 2150	Crew Resource Management for UAS	3	NEW! Please refer to Need to Know document for additional information.
N/A		AVT 2151	UAS Operations I	3	NEW! Please refer to Need to Know document for additional information.

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

If student earns FAA Airframe <u>or</u> Powerplant Certificate, they will earn Articulated Credit for:

ODE Course	Subject Code	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
N/A		AVT 1113	Drawings for Aviation	3	
N/A		AVT 1116	Regulations for Maintenance	3	
N/A		AVT 1118	Weight and Balance	3	

N/A		AVT 1131	Basic Aviation Electricity	3	
N/A		AVT 1135	Materials and Processes	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 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	
N/A		AVT 2126	Reciprocating Engines	7	*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 2129	Propellers	4	
N/A		AVT 2138	Engine Fuel and Fuel Metering	3	
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	177013	CTAIR004 - Introduction to Aviation	AVT-1105	Orientation to Aviation	3	
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	

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

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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 - Automotive

Ground Transportation (T9)

ARTICULATED

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 A1-Engine Repair 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.*

		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 1116	Automotive Steering & Suspension Systems	3	
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	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*
ASE/NATEF examination for Maintenance and Light Repair or Automobile Service and Technology						

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	