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	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 &		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		N/A BIS 1250		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	ODE Course Subject Code		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	A	BIS 1400	Customer Service	3			
Business Foundations	141000	MAN 1107	Foundations of Business 3				
N/A	A	MAT 1110	Math for Technologists	3			
N/A	1	MAT 1120	Business Mathematics	3			
N/A	N/A		N/A MAT 1125		Math for the Culinary Arts Baking and Pastry Arts Professional	3	
N/A		N/A MAT 1130		3			
N/A	1	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 safety card	. 10-hour	CTS001 - Safety	CAT 1431	OSHA Construction Standards 10 Hour	1						

ODE-Sinclair Credit Crosswalk: Agricultural & Environmental Systems									
	Agribusiness and Production Systems (A0)								
		ARTI	CULATED						
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	ODE Course Subject Code Sinclair Sinclair Course Name Credit Hours Notes								
Agriculture, Food and Natural Resources 010105 AGR 1160 Introduction to Agricultural Science 1 Credit earned via FFA mem.									

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							
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	Sı	ubject 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			
					•				
		Natura	al Resour	ce Management (A6)					
			ART	ICULATED					
ODE Course	Sı	ubject 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				
Solar and Wind Energy	10717	CTSP001 - Solar Photovoltaics	EGV 2101	Solar Photovoltaic Design & Installation	3				

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.
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CTAG							
ODE Course Subject CTAN Sinclair Course Sinclair Course Name Credit Hours Notes						Notes	
Current and valid OHSA 10-hour safety of	Code		CAT 1431	OSHA Construction Standards 10 Hour	1		

ODE-Sinclair Credit Crosswalk: Arts and Communication Media Arts (B0) **PROFICIENCY** Sinclair Course Credit **ODE Course** Subject Code Sinclair Course Name Notes Hours Media Arts Writing 340115 or JOU Reporting and Writing for Media 3 2203 Multi-Media Web Production 340160 JOU N/A 3 Introduction to Journalism 2101

Performing Arts (B1)

No current credit options

	Visual Design and Imaging (D2)							
Visual Design and Imaging (B2) PROFICIENCY								
ODE Course	Sı	ıbject 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		
			l					
				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	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 (MOS) Outlook certification exam required for credit Proof of passing the Microsoft Office Specialist (MOS) Access Expert certification exam required for credit

Proof of passing the Microsoft Office Specialist

PROFICIENCY

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

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	

			Mark	ceting (S5)			
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	
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	
ODE Course	Subject Code	CTAN	Sinclair Course	Sinclair Course Name	Credit Hours	Notes	
				CTAG			
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		
	N/A		MAN 1110	International Business	3	No longer aligns to an ODE subject code.	
ODE Course		Subject Code	Sinclair Course	Sinclair Course Name	Credit Hours	Notes	
			PRO	DFICIENCY			
			Fina	ance (G2)			
Legal Environment of Business	142010	CTBU004	LAW 1101	Business Law	3	NEW!	
Supply Chain Management	142025	CTSCM001 - Introduction to Supply Chain Management Technology	MAN 2159	Supply Chain Management Concepts and Applications	3		
ODE Course	Subject Code	CTAN	CTAN Sinclair Course Name Credit Hours			Notes	
				CTAG			
· · ·	<u> </u>			<u> </u>		navdeep.brar@sinclair.edu	
Marketing Principles		144000	MRK 2100	Foundations of Marketing	3	New FPS - Navdeep Brar	
Professional & Technical Sales	s 144030		Course MRK 2225	Sales Fundamentals	Hours 3		
ODE Course		Subject Code	Sinclair	Sinclair Course Name	Credit	Notes	
		Logistics		y Chain Management (C5) DFICIENCY			
				01 : 11			
Legal Environment of Business	142010	CTBU004	LAW 1101	Business Law	3	NEW!	
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.	
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	

			PRO	DFICIENCY			
ODE Course		Subject Code	Sinclair Course	Sinclair Course Na	ame	Credit Hours	Notes
Marketing Principles		144000	MRK 2100	Foundations of Mark	keting	3	
Professional & Technical Sales		144030	MRK 2225	Sales Fundament	tals	3	
	N/A		MAN 1110	International Busir	ness	3	No longer aligns to an ODE subject code.
	N/A		MAN 1114	Introduction to Sports Ma	anagement	3	
	N/A		MRK 2135	2135 Digital Marketing 3			NEW! Please refer to the Need to Know document for additional information.
				CTAG			T
ODE Course	Subject Code	CTAN	Sinclair Course	Sinclair Course Na	ame	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	C 1220 Introduction to Managerial Accounting		3	This is a new CTAG for the 23-24 AY.
The following are general tech		rses available to all pathways	but often paired	rses- All Pathways with courses in this pathway. all pathways, visit the General			ht by academic instructors. To see a
		<u> </u>		DFICIENCY			
ODE Course		Subject Code	Sinclair Course	Sinclair Course Name		Credit Hours	Notes
Business Foundations		141000	MAN 1107	Foundations of Bus	iness	3	
	N/A		ACC 1100	Small Business Acco	ounting	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 A	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 Mathema	atics	3	
			ART	ICULATED			
			T				

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)

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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				
Concrete & Residential Masonry	178006	CAT 1761	Interior & Exterior Finishes	3	
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/s	A	HVA 1221	Heating Systems	3	NEW! Please refer to the Need to Know document for additional information.
		1			

ARTICULATED

ODE Course	Subject Code	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
N/	N/A		Construction Techniques I (NCCER Core or Career Connections)	3	To earn this AA credit, students must provide proof of either NCCER Core or Career Connections Level 1 and II.

N/A	CAT 1820	Construction Techniques II (NCCER Level 1 or Career Connections)	3	To earn this AA credit, students must provide proof of either NCCER Carpentry Level 1 or Career Connections Level III.
N/A	CAT 1830	Construction Techniques III (NCCER Level 2)	3	NEW! To earn this AA credit, students must provide proof of either NCCER Level 2 or Career Connections Level III.
N/A	EET 1181	Electrical Construction I (NCCER Electrical Level 1)	2	Proof of NCCER Electrical Level 1 required for credit.
				•

CTAG

ODE Course	Subject Code	CTAN	Sinclair Course	Sinclair Course Name		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 -		Occupational Safety and Health Administration		Must pass WebXam AND receive certification
Obtain a valid OSHA 30 hour card in general construction		Construction Safety	CAT 2431	(OSHA)	2	to receive credit
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	

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.

PRO	FICI	ENC'	Y
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ODE Course	Subject Code		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			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 7	Tech Prep	Courses for All Pathways									
The following are general tec				ed with courses in this pathway. These cours to all pathways, visit the General Course Offe		aught by academic instructors. To see a							
			PF	ROFICIENCY									
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								
			AF	RTICULATED									
			Sinclair	TIOULATED	Credit								
ODE Course		Subject Code	Course	Sinclair Course Name	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.							
Principles of Allied Health		3,200	ALH 1132	Heartsaver First Aid, CPR & AED	1	AHA Heartsaver First Aid, CPR/AED card required for credit.							
0	DE-Sind			Engineering & Science	Techn	ologies							
		E	ngineeri	ng and Design (F6)									

PROFICIENCY NON-PLTW

Subject Code	Sinclair Course	Sinclair Course Name		Notes							
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								
~176004	CAM 1109	Fundamentals of Tooling and Machining		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.							
	ARTIC	JLATED PLTW									
Subject Code	Sinclair Course Sinclair Course Name		Credit Hours	Notes							
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.							
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.							
,	ARTICUL	ATED Non-PLTW									
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		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.							
	178019 N/A N/A -176004 N/A Subject Code N/A N/A N/A N/A N/A N/A	178019 CAT 1401 N/A	178019 CAT 1401 Construction Cost Estimating CAM 1107 Principles of Manufacturing N/A CAM 1108 Action Shop Fundamentals CAM 1109 Fundamentals of Tooling and Machining CAM 1109 Fundamentals of Tooling and Machining Advanced Machine Operations ARTICULATED PLTW Subject Code Sinclair Course N/A MET 1231 Introduction to Engineering Design Using 3D CAD N/A EET 1198 Digital Technology ARTICULATED Non-PLTW Subject Code Sinclair Course Sinclair Course Name ARTICULATED Non-PLTW Subject Code Sinclair Course Sinclair Course Name N/A MET 1301 *SolidWorks Basics N/A MET 1301 Introduction to Safety N/A ISE 1202 Quality Practices and Measurement for Manufacturing	178019 CAT 1401 Construction Cost Estimating 3							

						NEW! Please refer to Need to Know						
	N/A		ISE 1204	Maintenance Awareness for Manufacturing	2	document for additional information.						
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								
Network Operating Systems	145040											
Computer Software	145030 and	CTIT014 - PC Operating	CIS 2731	A+ Hardware & Software	4							
Computer Hardware	145025	System/A+			·							
Computer Integrated Manufacturing	175006	CTMET005 - Computer Aided Drafting and Design (CADD)	MET 1231	Introduction to Engineering Design Using 3D CAD	4							
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		General Te	ch Prep	Courses for All Pathways								
The following are general tech p				d with courses in this pathway. These courses in all pathways, visit the General Course Offering		aught by academic instructors. To see a						
			PR	OFICIENCY								
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 s	safety card	CTS001 - Safety	CAT 1431	OSHA 10 Hour Safety	1							
	OE	E-Sinclair Credi	t Cros	swalk: Information Techn	oloav	/						
					- 3)							

Information Support and Services (N0)													
PROFICIENCY													
ODE Course		Subject Code		Sinclair Course		Sinclair Course Name	Credit Hours		Notes				
N/A		N/A		CIS 2	165	Database Management	3						
N/A		N/A		CIS 1	350	Web Site Development with HTML & CSS	3						
N/A		N/A		CIS 1	140	Information Systems Analysis & Design	3		NEW! Please refer to Need to Know document for additional information.				
		ı	1	ARTI	CULA	TED		ı					
ODE Course		Subject Code		clair urse		Sinclair Course Name	Credit Hours		Notes				
Information Technology	y	145005	BIS	1105		IT Fundamentals	3	Fund	Credit awarded with proof of IT damentals certification or passing WebXam score				
					CTAG								
ODE Course	Subject Code	CTAN		Sinclair Course Sinclair		Sinclair Course Name	Credit Hours		Notes				
Networking	145035 and												
Network Management	145045	CTIT002 - Networking/Com Network +	pTIA	CIS 1130		Network Fundamentals	3						
Computer Software	145030	CTIT005 - Intro Desktop C	D.S.	CIS 1	107	Introduction to Operating Systems	3						
Network Security	145050	CTIT006 - Intro to User Sup	oport	CIS 2	711	Enterprise Desktop Support Technician	3						
		CTIT015 - CompTIA Secur	ity +	CIS 2	640	Network Security	3						
Computer Software	145030 and												
Network Operating Systems	145040	CTIT011 - MS Windows Des OS	sktop	CIS 1	510	Windows Client Operating System	3						
N. 10 5 0	145040	CTIT013 - MS Server Administration			510	Microsoft Windows Server Operating System	3						
Network Operating Systems	145040	CTIT016 - Linux		CIS 2	550	Linux Operating System	3						
Computer Software	145030 and	CTIT014 - PC Operating	g	010.5	704	A. Handura 2.C. %							
Computer Hardware	145025	System/A+		CIS 2	731	A+ Hardware & Software	4						

Programming	145060	CTPROG001 - Computer Log	ic 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		nclair urse	Sinclair Course Name	Credit Ho	ours 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	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.						
			ART	TICULA	ATED								
005.0		0.44.04	Sinclair			Credit							
ODE Course		Subject Code	Course		Sinclair Course Name	Hours	Notes						
Information Technolog	у	145005	BIS 1105		IT Fundamentals	3	Credit awarded with proof of IT Fundamentals certification or passing WebXam score						
				CTAG									
ODE Course	Subject Code	CTAN		oclair urse	Sinclair Course Name	Credit Ho	ours Notes						
Programming	145060	CTPROG001 - Computer Log	ic CIS	1111	Intro to Problem Solving & Computer Programing	3							
Object Oriented Programming	145065	CTPROG003 - C++ Programming	CIS	1202	C++ Software Development	3							
Object Originated Day	4.45005	CTPROG003 - C++ Programming	CIS	1202	C++ Software Development	3							
Object Oriented Programming	145065	CTPROG002 - Java Programming	CIS	2212	Java Software Development I	3							

				Networkin	g (N2)				
PROFICIENCY									
ODE Course		Subject Code		Sinclair Sinclair Course Name (Credit Ho	ours 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			Information Systems Analysis & Design	3	NEW! Please refer to Need to Know document for additional information.		
				ARTICUL	ATED				
ODE Course		Subject Code		nclair ourse	Sinclair Course Name	Credit Hours	Notes		
Information Technolog	gy 145005 B		BIS	3 1105	IT Fundamentals		Credit awarded with proof of IT Fundamentals certification or passing WebXam score		
	CTAG								
ODE Course	Subject Code	CTAN		Sinclair Course	Sinclair Course Name	Credit Ho	ours Notes		
Networking	145035 and	CTIT002 - Networking/Com Network +	ρΤΙΑ	CIS 1130	130 Network Fundamentals				
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 Sup	port	CIS 2711	Enterprise Desktop Support Technician	3			
riothonic Gooding	110000	CTIT015 - CompTIA Securi	ity +	CIS 2640	Network Security	3			
Computer Software	145030 and	CTIT011 - MS Windows Des	sktop	010.4540	Mind of to the state of the sta				
Network Operating Systems	145040	os		CIS 1510	Windows Client Operating System	3			
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	9	CIS 2731	A+ Hardware & Software	4			
Computer Hardware	145025	System/A+		-					
Programming	145060	CTPROG001 - Computer L	ogic	CIS 1111	Intro to Problem Solving & Computer Programing	3			

Networking	145035 and										
ODE Course	Subject Code	CTAN		Sinclair Course	Sinclair Course Name	Credit H	ours Notes				
				CTAG							
Cybersecurity (N4)											
		Programming			Sara Solivaro Dovelopment I						
Object Oriented Programming	145065	Programming CTPROG002 - Java		CIS 1202 CIS 2212	C++ Software Development Java Software Development I	3					
		CTPROG003 - C++		010.4555							
Programming	145060	CTPROG001 - Computer Lc	ogic	CIS 1111	Intro to Problem Solving & Computer Programing	3					
ODE Course	Subject Code	CTAN		Sinclair Course	Sinclair Course Name	Credit H	ours Notes				
				CTAG							
Information Technology		145005	BIS 1105		IT Fundamentals	3	Credit awarded with proof of IT Fundamentals certification or passing WebXam score				
ODE Course	ODE Course Subject Code Sir.				Sinclair Course Name	Credit Hours	Notes				
ARTICULATED											
N/A		N/A		CIS 1140	Information Systems Analysis & Design		Know document for additional information.				
NZ		N/A		010.41.12	Information Systems Analysis &	3	NEW! Please refer to Need to				
N/A		N/A		CIS 1350	Web Site Development with HTML & CSS	3					
N/A		N/A		CIS 2266	Python for Data Analytics	3					
N/A		N/A		CIS 2165	Database Management	3					
ODE Course		Subject Code		Sinclair Course	Sinclair Course Name	Credit H	ours Notes				
Programming and Software Development (N3) PROFICIENCY											
		CTPROG002 - Java Programming		CIS 2212	Java Software Development I	3					
Object Oriented Programming	145065	CTPROG003 - C++ Programming		CIS 1202	C++ Software Development	3					

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	
	145050	CTIT006 - Intro to User Support	CIS 2711	Enterprise Desktop Support Technician	3	
Network Security	145050	CTIT015 - CompTIA Security +	CIS 2640	Network Security	3	
Computer Software	145030 and	CTIT011 - MS Windows Desktop		Windows Client Operating System		
Network Operating Systems	145040	os	CIS 1510	Windows Client Operating System	3	
		CTIT013 - MS Server Administration	CIS 2510	Microsoft Windows Server Operating System	3	
Network Operating Systems	145040	CTIT016 - Linux	CIS 2550	Linux Operating System	3	
Computer Software	145030 and	CTIT014 - PC Operating				
Computer Hardware	145025	System/A+	CIS 2731	A+ Hardware & Software	4	
Programming	145060	CTPROG001 - Computer Logic	CIS 1111	Intro to Problem Solving & Computer Programing	3	

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
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			Т						
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.			
·	072035		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		Pental Assisting (JM)					
			PROFICIENC	CY	0 "				
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					
			ARTICULAT	ED					
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.			

			-			1
			ALH 1132	Heartsaver First Aid, CPR & AED	1	AHA Heartsaver First Aid, CPR/AED card required for credi
Patient Centered Care and Diagnostics		072055	ALH 1120	Nurse Aide Training	4	Proof of STNA Certification required for credit.
			<u>!</u>			
			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!
		Th	erapeutic Se	ervices		
	Subject				Credit	
ODE Course	Code	CTAN	Sinclair Course	Sinclair Course Name	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!
		N	ledical Assi	sting		
			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				
		CTMAT006 - Process Insurance Claims		Clinical Medical Assisting I	3	
		CTMAT008 - Fundamental Procedures				
		CTMAT009 - Specimen Collection	MAS 2201	Clinical Medical Assisting III	4	
		CTMAT010 - Diagnostic Testing				
	CTMAT011 - Patient Care		MAS 2210	Medical Billing Specialist	3	
		<u> </u>	<u> </u>			
		Med	lical Bioscie	nce (J0)		
			PROFICIEN	CY		
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	
			ı			,
			ARTICULAT	ED		
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	
	1	I	1			
		Health Info	ormation Ma	nagement (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					
	T		ARTICULAT	ED						
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.				
		ı	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 Course	s for All Pathways						
The following are general tech prep co	urses availa comprehe	able to all pathways but often nsive list of all courses avai	n paired with cours lable to all pathway	es in this pathway. These courses mays, visit the General Course Offerings	ay be taught page.	by academic instructors. To see a				
			PROFICIENC	CY						
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 safe	ty 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	Sinclair Course Name	Credit Hours	Notes				
N/A		N/A	Course 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 Certi	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					
				L. H. (1.1)						
				ospitality (L1)						
			Sinclair	PROFICIENCY						
ODE Course		Subject Code	Course	Sinclair Course Name	Credit Hours	Notes				
Event and Food Planning		330024	HMT 1148	Meeting and Events Contracts and Obligations	1					
Event and Food Planning		330021	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 Certi	ServSafe® Manager Certification		HMT 1107	Sanitation and Safety	2	
Hospitality Management	330035	CTCF007 - Technology in the Hospitality Industry		Hospitality Industry Computer Systems	2	
Front Office Management and Operations 330030	CTCF008 - Front Office	HMT 1136	Front Office Operations	4		
	330030	Operations and Housekeeping	HMT 1139	Housekeeping Management	4	

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 I
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									
Police Work & Practice in Public Safety	170913	CTCJ001 - Introduction to Criminal Justice	CJS 1101	Introduction to Criminal Justice Science	3	New FPS - Michael Rhinehart michael.rhinehart@sinclair.edu				
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 ce	ertification	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	

The following are general tech prep courses available to all pathways but often paired with courses in this pathway. These courses may be taught by academic instructors. To see a comprehensive list of all courses available to all pathways, visit the General Course Offerings page.

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

	PROFICIENCY										
ODE Course	ODE Course Subject Code		Sinclair Course Sinclair Course Name C		Notes						
	N/A	BIS 1400	Customer Service	3							
N/A		BIO 1107/110 8	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- card	-hour safety	CTS001 - Safety	CAT 1431	OSHA 10 Hour Safety	1	

ODE-Sinclair Credit Crosswalk: Manufacturing Technologies

Manufacturing Operations (R7)

				PROFICIENCY		
ODE Course	Sub	ject Code	Sinclair Course	Sinclair Course Name	Credit Hours	Notes
N/A	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.
				ADTIQUI ATED		
				ARTICULATED		
ODE Course	Sub	iect 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	0	10225	EGR 1217	Fluid Power & Control	2	Proof of passing WebXam Score Required for Credit
Industrial Robotics	1	76025	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	

	1	1	_								
Computer Integrated Manufacturing	175006	CTMET005 - Computer Aided Drafting and Design (CADD)	MET 1231			4					
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	Sub	oject Code	Sinclair Course	Sinclair Course Name		edit Notes					
N/A			BIS 1400	Customer Service		3					
N/A			MET 113 ⁻	Personal Computer Applications for Engineering Technology		1					
N/A			MAT 1110	Math for Technologists		3					
	T =	T	1	CTAG							
ODE Course	Subject Code	CTAN	Sinclair Course	Sinclair Course Name		edit Notes purs					
Current and valid OHSA 10-hour	safety card	CTS001 - Safety	CAT 1431	OSHA Construction Standards 10 Hou	ır	1					
C	DE-Si	nclair Cre	edit Cr	osswalk: Transportation	Sys	tems - Aviation					
				Air Transportation (TA)							
				PROFICIENCY							
ODE Course	Subject (:ode	nclair nurse	Sinclair Course Name	Credit Hours	Notes					
N/A		AVT	-1101 Ir	ntroduction to Unmanned Aerial Systems	2						
N/A		AV	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	N/A AVT			UAS Standards, Regulations and Law	1	NEW! Please refer to Need to Know document for additional information.					
N/A		AV ⁷	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		AV	2150	Crew Resource Management for UAS	3	NEW! Please refer to Need to Know document for additional information.					
N/A		AV	2151	UAS Operations I	3	NEW! Please refer to Need to Know document for additional information.					
		1	l								

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

If student earns FAA Airframe or Powerplant Certificate, they will earn Articulated Credit for:											
N/A	AVT 1113	Drawings for Aviation	3								
N/A	AVT 1116	Regulations for Maintenance	3								
N/A	AVT 1118	Weight and Balance	3								
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 stu	ident earns F	FAA Airframe Certificate, they will earn Articu	ılated C	redit for:							
N/A	AVT 1136	Sheet Metal	4								
IV/A	AVIII30	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 stud	lent earns F	AA Powerplant Certificate, they will earn Artic	culated	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							
N/A	AVT 2129	Propellers	4	be submitted to MVTPC before credit can be posted.							
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	S	Sinclair Course Name Credit Hours			Notes		
Aviation Airport Management	177020	CTAIR001 - Air Transportation	AVT 2146	Introdu	ntroduction to Airline Operations 3					
Aviation	177013	CTAIR004 - Introduction to Aviation	AVT-1105	C	Orientation to Aviation 3					
Aviation Pilot Training	177021	CTAIR005 - Private Pilot Theory	AVT-1110	Priv	ate Pilot Ground School	3				
Aviation Meteorology	177019	CTAIR003 - Aviation Meteorology	AVT-1119	,	Aviation Meteorology	2				
					JROTC					
	r				PROFICIENCY					
ODE Course	Sul	oject Code	Sinclair Course	S	inclair Course Name	Credit Hours		Sinclair Program Alignment		
N/A	N/A AVT			Princip	les 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.		
					ep Courses for All Pat					
The following are general to	ech prep c				aired with courses in this pathway le to all pathways, visit the Gener			e taught by academic instructors. To see a ne.		
					PROFICIENCY					
ODE Course	Sul	oject Code	Sinclair Course	S	inclair Course Name	Credit Hours		Notes		
N/A			BIS 1400		Customer Service	3				
N/A			MAT 1110	M	ath for Technologists	3				
N/A			MET 1131	Persona	al Computer Applications for Engineering Technology	1				
OD	E-Sir	clair Cre	dit Cro		: Transportation	Syst	ems - A	utomotive		
					Transportation (T9)					
					ARTICULATED					
ODE Course		Subject Co	de	Sinclair Course	Sinclair Course Nam	е	Credit Hours	Notes		
	N/A			AUT 1100	Consumer Automotiv	/e	2	Credit is earned by graduating from a secondary career technical automotive program.		

N/A	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	A		AUT 1114	Automotive Electrical/Electronic Systems I	3	Students must successfully complete ASE student certification exam A6-Electrical/Electronic Systems with a passing grade of 70% or higher to be awarded credit.				
N/A	4		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	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 ASE/NATEF examination for Maint Light Repair or Automobile Sen Technology		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				
					l					
		Camaral	Took D.	on Courses for All Dathwess						
The following are general to be	an aguraga -			ep Courses for All Pathways	o march	to tought by goodomic instructors. To acco				
The following are general tech pr				aired with courses in this pathway. These course le to all pathways, visit the General Course Offer						
				PROFICIENCY						
ODE Course	Si	ubject Code	Sinclair Course	Sinclair Course Name	Credit Hours	Notes				
N/A	Α		BIS 1400	Customer Service	3					
N/A	A		MAT 1110	Math for Technologists	3					
N/A	Α		MET 1131	Personal Computer Applications for Engineering Technology	1					
				-						