	0		rosswalk: General Course Off		
TI 6 !!			io.gov/Topics/Career-Tech/Career-Fields		
The follow	ing are general te	ch prep courses available	to all pathways. These courses may l	be taught by aca	ademic instructors.
ODE Course	Subject Code	T c	Sinclair Course	Credit Hours	Notes
ODE Course	Subject Code		e 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	072035				New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu
		ALH 1132: Hear	tsaver First Aid, CPR & AED	1	AHA Heartsaver First Aid, CPR/AED card required for credit.
		DIS 4000. M	land Draggaing Coffusion		New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu
N/A		BIS 1220: W	ord Processing Software	3	Proof of passing the Microsoft Office Specialist (MOS) Word Expert certification exam required for credit. AY 24-25: Must test using Office 365/2021.
		BIS 1240:	Presentation Software		5 6 6 1 11 11 5 6 6 7
N/A				2	Proof of passing the Microsoft Office Specialist (MOS) PowerPoint Associate certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A	N/A		BIS 1250: Specialized Business Software Application		Proof of passing the Microsoft Office Specialist (MOS) Outlook certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A	N/A		BIS 1260: Database Software		Proof of passing the Microsoft Office Specialist (MOS) Access Expert certification exam required for credit. AY 24-25: Must test using Office 365/2021.
			CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Current and valid OSHA 10-h	nour safety card	CTS001 - Safety	CAT 1431: OSHA Construction Standards 10 Hour	1	
			PROFICIENCY		
ODE Course	Subject Code	l s	inclair Course	Credit Hours	Notes
N/A	Cubject Code		08: Human Biology w/Lab	3	110.00
Animal and Plant Biote	chnology		Biotechnology & Bioethics	3	
N/A		BIS 1120: Introdu	iction to Software Applications	3	PR credit is earned by completing eLearn shell content. AA credit is earned by providing proof of Microsoft Office Specialist (MOS) certification. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1201: Keyboa	arding & Document Formatting	3	
N/A		BIS 1230:	BIS 1230: Spreadsheet Software		Graded project along with proof of passing the Microsoft Office Specialist (MOS) Excel certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A		BIS 140	0: Customer Service	3	
Business Foundations	141000		Foundations of Business	3	
N/A N/A			Math for Technologists Business Mathematics	3	25-26 AY UPDATE: Business Mathematics, 15th Edition; Clendenen, Moninger, Salzman; Pearson; 978-0134697222
N/A			Culinary Arts & Baking & Pastry Arts Professional	3	New FPS for AY 24-25 - Kristin Killen, kristin.killen@sinclair.edu
N/A N/A			hematics in Health Sciences	3	
IN/A		MET 1131. Personal Co	omputer Applications for Engineering	<u> </u>	l

	ODE-Sin	clair Credit Crosswa	alk: Agricultural & Environme	ntal Systems	
		Agribusiness	and Production Systems (A0)		
			ARTICULATED		
ODE Course	Subject Code		inclair Course	Credit Hours	Notes
Agriculture, Food and Natural Resources	010105	AGR 1160: Introd	duction to Agriculture Science	1	Credit earned via FFA membership.
			CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Energy Systems Management	010715	CTAE001 - Introduction to Alternative and Renewable Energy	EGV 1101: Alternate & Renewable Energy Sources	3	
Animal and Plant Biotechnology	012010	CTBTC001	BTN 1110: Biotechnology & Bioethics	3	
		Industria	al Power Technology (A1)		
		industria	ARTICULATED		
ODE Course	Subject Code	S	sinclair Course	Credit Hours	Notes
Agriculture, Food and Natural		AGR 1160: Introd	duction to Agriculture Science	1	Credit corned via FFA membership
Resources	010105			ļ ļ	Credit earned via FFA membership.
		Animal So	cience & Management (A2)		
			ARTICULATED		
ODE Course	Subject Code		inclair Course	Credit Hours	Notes
Agriculture, Food and Natural Resources	010105	AGR 1160: Introd	duction to Agriculture Science	1	Credit earned via FFA membership.
			CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Medical Terminology	072150	CTMT001 - Medical Terminology	HIM 1101: Medical Terminology	2	
Animal Science and Technology	010910	CTASM001 - Introduction to Animal Science	AGR 1110: Introduction to Large Animal Sciences: Handling & Husbandry	3	
			PROFICIENCY		
ODE Course	Subject Code	l s	inclair Course	Credit Hours	Notes
			ction to Veterinary Technology I	2	110.00
Veterinary Science	010930		ction to Veterinary Technology II	2	
N/A		VET 1205: Clinical	Practice I: Hospital Practices &	1	
		Agriculture, Food an	d Natural Resources Bioscience (A	N3)	
			ARTICULATED	•	
ODE Course	Subject Code		inclair Course	Credit Hours	Notes
Agriculture, Food and Natural Resources	010105	AGR 1160: Introd	duction to Agriculture Science	1	Credit earned via FFA membership.
			CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Animal and Plant Biotechnology	012010	CTBTC001	BTN 1110: Biotechnology & Bioethics	3	
			Horticulture (A5)		
			ARTICULATED		
ODE Course	Subject Code		inclair Course	Credit Hours	Notes
Agriculture, Food and Natural Resources	010105	AGR 1160: Introd	duction to Agriculture Science	1	Credit earned via FFA membership.

		Natural R	esource Management (A6)		
			ARTICULATED		
ODE Course	Subject Code	S	Sinclair Course	Credit Hours	Notes
Agriculture, Food and Natural Resources	010105	AGR 1160: Intro	duction to Agriculture Science	1	Credit earned via FFA membership.
			CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Energy Systems Management	010715	CTAE001 - Introduction to Alternative and Renewable Energy	EGV 1101: Alternate & Renewable Energy Sources	3	
Solar and Wind Energy	010717	CTSP001 - Solar Photovoltaics	EGV 2101: Solar Photovoltaic Design & Installation	3	
			Prep Courses for All Pathways		
The following are general to	ech prep courses	available to all pathways I	out often paired with courses in this pa	thway. These co	ourses may be taught by academic
			ARTICULATED	Credit Hours	
ODE Course	Subject Code		Sinclair Course		Notes
A1 Industrial Power Technology ONLY	010210	AUT 1100	AUT 1100: Consumer Automotive		Credit is earned by graduating from a secondary career technical automotive program.
HAZWOPER Technician Level		FST 1555: Hazardous Waste Operations & Emergency Response		3	Proof of OSHA Standard 29 CFR 1919.120 or EPA 40 CFR Part 300 required for credit. NEW! AA Credit option for AY 24-25, FPS - Kirk Temple, kirk.temple@sinclair.edu
			0710		
ODE 0	Cubic et Co I	OTAN	CTAG	One dit III e	NI-4
ODE Course Current and valid OSHA 10-h	Subject Code our safety card	CTAN CTS001 - Safety	Sinclair Course CAT 1431: OSHA Construction Standards 10 Hour	Credit Hours	Notes
			Grandarde 10 Fledi		
			PROFICIENCY		
ODE Course	Subject Code		Sinclair Course	Credit Hours	Notes
N/A			08: Human Biology w/Lab	3	
N/A		BIS 140	0: Customer Service	3	
Business Foundations	141000	MAN 1107:	Foundations of Business	3	
N/A		MAT 1130: Mat	hematics in Health Sciences	3	
N/A		MET 1131: Personal Co	omputer Applications for Engineering	1	
		•			

	OI	DE-Sinclair Credit C	Crosswalk: Arts and Communi	cation	
			Media Arts (B0)		
			CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Digital Print Design	340320	CTVDI001	VIS 1150: Design Processes II	4	
Video Production	340145	CTIM006	VIS 1420: Video Production	4	Credit Recognition Guide
			PROFICIENCY		
N/A		IOLI 2101: I	Introduction to Journalism	3	1
Media Arts Writing	340115 or		eporting & Writing for Media	3	
Multi-Media Web Production	340160	300 2203. Ne	sporting & writing for wedia	3	
	-	_		!	
		P	erforming Arts (B1)		
			CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Video Production	340145	CTIM006	VIS 1420: Video Production	4	Credit Recognition Guide
		Visual	Design and Imaging (B2)		
			CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Advertising and Communication	340340	CTVDI002 - Fundamentals of Advertising and	MRK 2102: Principles of Advertising	3	
		Communication			
Digital Print Design	340320	CTVDI001	VIS 1150: Design Processes II	4	
Video Production	340145	CTIM006	VIS 1420: Video Production	4	Credit Recognition Guide
			PROFICIENCY		
ODE Course	Subject Code	9	Sinclair Course	Credit Hours	Notes
N/A	, -	CIS 1350: Web Site	e Development with HTML & CSS	3	
N/A			0: Design Foundations	4	
N/A			0: Design Processes I	4	Credit granted via portfolio review &
N/A		VIS 12	210: Design Drawing	4	eLearn shell content completion.
N/A			250: Print Production	4	1
		Gonor	al Courses- All Pathways		
The following are general to	ech prep courses a		but often paired with courses in this pa	athway These o	ourses may be taught by academic
The following are general to	con prop courses a	ivaliable to all patriways	PROFICIENCY	dilway. These c	ourses may be taught by academic
ODE Course	Subject Code		Sinclair Course	Credit Hours	Notes
N/A		BIS 140	00: Customer Service	3	
N/A		MAT 1120	: Business Mathematics	3	25-26 AY UPDATE: Business Mathematics, 15th Edition; Clendenen, Moninger, Salzman; Pearson; 978-0134697222

	OD	E-Sinclair Credit Cre	osswalk: Business/Finance/M	arketing	
			Administrative Services (C4)		
			ARTICULATED		
ODE Course	Subject Code		Sinclair Course	Credit Hours	Notes
N/A		BIS 1220: W	Vord Processing Software	3	Proof of passing the Microsoft Office Specialist (MOS) Word Expert certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1240: Presentation Software		2	Proof of passing the Microsoft Office Specialist (MOS) PowerPoint Associate certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1250: Specialized Business Software Application		1	Proof of passing the Microsoft Office Specialist (MOS) Outlook certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1260: Database Software		3	Proof of passing the Microsoft Office Specialist (MOS) Access Expert certification exam required for credit. AY 24-25: Must test using Office 365/2021.
			CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Medical Office Management	142015	CTMMS001 - Medical Office Procedures	BIS 2180: Medical Office Simulation	3	
Medical Terminology	072150	CTMT001 - Medical Terminology	HIM 1101: Medical Terminology	2	
Legal Environment of Business	142010	CTBU004	LAW 1101: Business Law	3	
			PROFICIENCY		
ODE 0	0		PROFICIENCY	O	Netes
ODE Course	Subject Code		Sinclair Course	Credit Hours	Notes
N/A		BIS 1120: Introduction to Software Applications		3	PR credit is earned by completing eLearn shell content. AA credit is earned by providing proof of Microsoft Office Specialist (MOS) certification. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1230: Spreadsheet Software		3	Graded project along with proof of passing the Microsoft Office Specialist (MOS) Excel certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A		MAN 1114: Introd	duction to Sports Management	3	
N/A			ntroduction to Supervision	3	
Professional & Technical Sales	144030		5: Sales Fundamentals	3	

		Logistics and	Supply Chain Management (C5)		
		Logistics and	CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
ODE Course	- Cubject Code	CTSCM001 -	MAN 2159: Supply Chain	Orcalt Hours	110103
Supply Chain Management	142025	Introduction to Supply Chain Management Technology	Management Concepts & Applications	3	
Legal Environment of Business	142010	CTBU004	LAW 1101: Business Law	3	
			PROFICIENCY		
ODE Course	Subject Code	l s	inclair Course	Credit Hours	Notes
Marketing Principles	144000		oundations of Marketing	3	110.00
Professional & Technical Sales	144030		5: Sales Fundamentals	3	
			Finance (C2)		
			Finance (G2) CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
ODE Course	Subject Code	CTBU010 - Introduction	ACC 1210: Introduction to Financial	Credit Hours	Notes
Financial Accounting	143005	to Financial Accounting	Accounting	3	
Managerial Accounting	143015	CTBU011 - Introduction to Managerial Accounting	ACC 1220: Introduction to Managerial Accounting	3	
		•			
			PROFICIENCY		
ODE Course	Subject Code	S	inclair Course	Credit Hours	Notes
Finance Foundations	143000	FIN 2450: Personal Finance		3	*There is a Personal Finance CTAG for the Family and Consumer Science Pathway. That CTAG is not approved for this subject code, so this course will remain a Proficiency option on bilateral agreements until changes are made by the state.
Professional & Technical	144030	MRK 2225	5: Sales Fundamentals	3	
Sales	1.1000			, ,	
			Marketing (SE)		
			Marketing (S5) CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
ODE Course	Subject Code			Cleuit Hours	Notes
Supply Chain Management	142025	CTSCM001 - Introduction to Supply Chain Management Technology	MAN 2159: Supply Chain Management Concepts & Applications	3	
Supply Chain Management	142025	Introduction to Supply Chain Management	Management Concepts & Applications	3	
		Introduction to Supply Chain Management Technology	Management Concepts & Applications PROFICIENCY		Notes
ODE Course	142025 Subject Code	Introduction to Supply Chain Management Technology	Management Concepts & Applications PROFICIENCY inclair Course	Credit Hours	Notes
ODE Course	Subject Code	Introduction to Supply Chain Management Technology S MAN 1114: Introd	Management Concepts & Applications PROFICIENCY inclair Course luction to Sports Management	Credit Hours	Notes
ODE Course N/A Marketing Principles		Introduction to Supply Chain Management Technology S MAN 1114: Introd MRK 2100: F	Management Concepts & Applications PROFICIENCY inclair Course fuction to Sports Management Foundations of Marketing	Credit Hours 3 3	Notes
ODE Course	Subject Code	Introduction to Supply Chain Management Technology S MAN 1114: Introd MRK 2100: F MRK 21	Management Concepts & Applications PROFICIENCY inclair Course luction to Sports Management	Credit Hours	Notes

		General Courses- All Pathways		
The following are general to	ech prep courses a	vailable to all pathways but often paired with courses in this p	athway. These c	ourses may be taught by academic
225.2		ARTICULATED	I 0 1711	
ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		BIS 1220: Word Processing Software	3	Proof of passing the Microsoft Office Specialist (MOS) Word Expert certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1240: Presentation Software	2	Proof of passing the Microsoft Office Specialist (MOS) PowerPoint Associate certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1250: Specialized Business Software Application	1	Proof of passing the Microsoft Office Specialist (MOS) Outlook certification exam required for credit. AY 24-25: Must test using Office 365/2021.
		BIS 1260: Database Software		
N/A		DIG 1200. Database contrare	3	Proof of passing the Microsoft Office Specialist (MOS) Access Expert certification exam required for credit. AY 24-25: Must test using Office 365/2021.
Merchandising & Buying	144025	MRK 2145: Principles of Retailing	3	NEW! Credit option for AY 24-25. Proof of passing WebXam Score required for credit
		PROFICIENCY		
ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
ODL Course	Subject Code	ACC 1100: Small Business Accounting	Credit Flours	Notes
N/A		ACC 1100. Small business Accounting	3	Course is now being offered as a PR credit. ODE Subject Code 143005 - Financial Accounting is now matched to ACC 1210 as a CTAG.
N/A		BIS 1120: Introduction to Software Applications	3	PR credit is earned by completing eLearn shell content. AA credit is earned by providing proof of Microsoft Office Specialist (MOS) certification. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1230: Spreadsheet Software	3	Graded project along with proof of passing the Microsoft Office Specialist (MOS) Excel certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1201: Keyboarding & Document Formatting	3	
N/A		BIS 1400: Customer Service	3	
Business Foundations	141000	MAN 1107: Foundations of Business	3	
N/A		MAT 1120: Business Mathematics	3	25-26 AY UPDATE: Business Mathematics, 15th Edition; Clendenen, Moninger, Salzman; Pearson; 978-0134697222

	OD	E-Sinclair Credit Cr	osswalk: Construction Techn	ologies	
Structura			nd Plumbing (DE), and Construction		anagement (DF)
			ARTICULATED		
ODE Course	Subject Code		Sinclair Course	Credit Hours	Notes
N/A		CAT 1810: (Construction Techniques I	3	To earn this AA credit, students must provide proof of either NCCER Core or Career Connections Level I and II.
N/A		CAT 1820: C	Construction Techniques II	3	To earn this AA credit, students must provide proof of either NCCER Carpentry Level I or Career Connections Level III.
N/A		CAT 1830: C	onstruction Techniques III	3	To earn this AA credit, students must provide proof of either NCCER Level 2 or Career Connections Level III.
N/A			Electrical Construction I	5	Proof of NCCER Electrical Level 1 OR IBEW, JATC NECA certificate IEC based, IEC certificate. New FPS for AY 24-25 - Patrick Piper, patrick.piper@sinclair.edu
Heating and Cooling Systems	178012	HVA 1241: HVAC In	stallation Techniques & Practices	3	NEW! Credit option for AY 24-25, FPS - De Dawson, delacy.dawson@sinclair.edu
Sheet Metal	178014				
			CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Plan Reading and Estimating	178019	CTCON001 - Plan Reading	CAT 1141: Reading Architectural Drawings	2	
Carpentry & Masonry Technical Skills	178001	CTCON003 - Construction Methods and Materials	CAT 1201: Construction Methods & Materials	3	
Current and valid OSHA 10-h	nour safety card	CTS001 - Safety	CAT 1431: OSHA Construction Standards 10 Hour	1	
Construction Safety & Crew Leadership AND	178018	CTCON002 - Construction Safety	CAT 2431: OSHA Construction Standards	2	Credit Recognition Guide
Obtain a valid OSHA 30 hour	card in general				
			PROFICIENCY		
ODE Course	Subject Code		Sinclair Course	Credit Hours	Notes
ODE Course	Subject Code		Architectural Graphics II	Credit Hours	NEW! Credit option for AY 24-25, FPS –
N/A			·	3	Alexandra Bohler, alexandra.bohler@sinclair.edu
Plan Reading and Estimating	178019		onstruction Cost Estimating	3	
Principles of Wood Construction	178030		struction Craft Skills/Concrete	4	
Structural Systems	178003		tructural Framing Systems	4	
Construction Electrical Systems	178007	CAT 1741: Re	sidential Electrical Systems	3	
Residential Electrical Systems	178008				
Masonry-Brick & Block	178005	CAT 1761: I	nterior & Exterior Finishes		
Concrete & Residential Masonry	178006			3	
Construction Pre- Apprenticeship/ Capstone	178029	CAT 178	1: Construction Project	4	
Construction Management	178022	CAT 2401: Cons	struction Project Management	3	
HVAC Refrigeration	178013		CHVAC Systems with Cooling	3	NEW! Credit option for AY 24-25, FPS - De Dawson, delacy.dawson@sinclair.edu
N/A		HVA 12	21: Heating Systems	3	

	General Tech Prep Courses for All Pathways							
The following are general to	The following are general tech prep courses available to all pathways but often paired with courses in this pathway. These courses may be taught by academic							
PROFICIENCY								
ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes				
N/A		BIS 1400: Customer Service	3					
N/A		MAT 1110: Math for Technologists	3					
N/A		MET 1131: Personal Computer Applications for Engineering	1					

			Crosswalk: Education & Trai	ning	
		Early C	hildhood Education (E0)		
ODE Course	Cubinet Code	CTAN	CTAG Sinclair Course	Credit Hours	Notes
ODE Course	Subject Code	CTECE001 -	ECE 1100: Introduction to Early	Credit Hours	Notes
Early Childhood Education Principles	350205	Introduction to	Childhood Education	3	
· · · · · · · · · · · · · · · · · · ·		Education	E0E 1000 II W 0.0 ()		
Health, Safety and Nutrition	350230	CTECE002 - Health, Safety, and Nutrition	ECE 1202: Health & Safety Environments	3	
Infant and Toddler Education	350210	CTECE003 - Infant and Toddler Curriculum	ECE 2302: Infant & Toddler Curriculum	3	
		Teac	hing Professions (E1)		
ODE 0	0	OTAN	CTAG	O	No.
ODE Course	Subject Code	CTAN CTEDU007 -	Sinclair Course EDU 1100: Introduction to Education	Credit Hours	Notes
Education Principles	350010	Introduction to Education	EDO 1100: Introduction to Education	3	
		'			
			Prep Courses for All Pathways		
The following are general to	ech prep courses	available to all pathways i	out often paired with courses in this pa	athway. These c	ourses may be taught by academic
005.0	0.11.10.1	1 0	ARTICULATED	0 1111	N
ODE Course	Subject Code		Sinclair Course	Credit Hours	Notes
		ALH 1130: Basic Life	e 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	072035				New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu
		ALH 1132: Hear	tsaver First Aid, CPR & AED	,	AHA Heartsaver First Aid, CPR/AED card required for credit.
				1	New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu
			PROFIGIENCY		
ODE 0	Cubinet On I		PROFICIENCY	0	NI-4
ODE Course N/A	Subject Code		Sinclair Course	Credit Hours	Notes
N/A			08: Human Biology w/Lab 0: Customer Service	3	
IN/A			: Business Mathematics	<u> </u>	25-26 AY UPDATE: Business
N/A		IVIAT 1120.	. มนอกเธอง เพลนาธกาสแปร	3	Mathematics, 15th Edition; Clendenen, Moninger, Salzman; Pearson; 978-0134697222

	ODE-Si		valk: Engineering & Science T	echnologies	
		Engineering a	and Science Technologies (F6) ARTICULATED		
ODE Course	Subject Code	[Sinclair Course	Credit Hours	Notes
Digital Electronics	N/A		98: 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. New FPS for AY 24-25 - Patrick Piper, patrick.piper@sinclair.edu
N/A			uction to Manufacturing Safety	2	MSSC - Certified Production Technician (CPT) Certification or MSSC - Introduction to Manufacturing Safety Certificate
N/A		-	y Practices & Measurement for Manufacturing	2	MSSC - Certified Production Technician (CPT) Certification or MSSC - Quality Practices and Measurement for Manufacturing
N/A		ISE 1203: Manufa	cturing Processes & Production	2	MSSC - Certified Production Technician (CPT) Certification or MSSC - Manufacturing Processes and Production
N/A		ISE 1204: Maintena	nce Awareness for Manufacturing	2	MSSC - Certified Production Technician (CPT) Certification or MSSC - Maintenance Awareness for Manufacturing
N/A		ISE 1300: Fundamentals of Dimensional Metrology		3	NEW! Credit option for AY 24-25, FPS - Cole Glover, cole.glover@sinclair.edu
N/A		ISE 2240: Six Sigma: Green Belt		3	The student must supply proof of earning a Six Sigma Green Belt Credential
Computer Integrated Manufacturing	175006	MET 1231: Introduction	to Engineering Design Using 3D CAD	4	
N/A		MET 1301: SolidWorks Basics		4	Proof of Solidworks certification required for credit. New FPS for AY 24-25 - Michael Neal, michael.neal@sinclair.edu
		MET 1401: A	dditive Design and Printing	3	NEW! Credit option for AY 24-25, FPS - Michael Neal, michael.neal1@sinclair.edu. Course includes 3-D printing.
			CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Plan Reading and Estimating	178019	CTCON001 - Plan Reading	CAT 1141: Reading Architectural Drawings	2	Notes
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			3	
Computer Software	145030	CTIT014 - PC Operating System/A+	CIS 2731: A+ Hardware & Software	4	
Computer Hardware	145025 and	-			
Digital Electronics	175007	CTEET002 - Digital Electronics	EET 1131: Digital Electronics	4	
DC Electronic Circuits	175105	CTEET001 - DC Circuits	EET 1150: DC Circuits	4	
Energy Systems Management	010715	CTAE001 - Introduction to Alternative and Renewable Energy	EGV 1101: Alternate & Renewable Energy Sources	3	
Computer Integrated Manufacturing	175006	CTMET005 - Computer Aided Drafting and Design (CADD)	MET 1231: Introduction to Engineering Design Using 3D CAD	4	

PROFICIENCY NON-PLTW							
ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes			
N/A		CAM 1107: Introduction to Mechanical Drafting with CAD	3				
N/A		CAM 1108: Machine Shop Fundamentals	3				
Machine Tools	176004	CAM 1109: Fundamentals of Tooling & Machining	3				
N/A		CAM 1110: Advanced Machine Operations	3				
Plan Reading and Estimating	178019	CAT 1401: Construction Cost Estimating	3				

			Robotics (F7)		
			ARTICULATED		
ODE Course	Subject Code	9	Sinclair Course	Credit Hours	Notes
Hydraulics and Pneumatics	010225	EGR 1217	: Fluid Power & Control	2	Proof of passing WebXam Score required for credit. New FPS for AY 24-25 - Patrick Piper, patrick.piper@sinclair.edu Proof of passing webxam Score required
Industrial Robotics	176025	EGR 2252: Teach	n Pendant Robot Programming	3	for credit.
			CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
ODE Course	Subject Code	CTCON001 - Plan		Credit Hours	Notes
Plan Reading and Estimating	178019	Reading	CAT 1141: Reading Architectural Drawings	2	
Computer Software	145030	CTIT014 - PC	CIS 2731: A+ Hardware & Software	4	
Computer Hardware	145025 and	Operating System/A+		4	
DC Electronic Circuits	175105	CTEET001 - DC Circuits	EET 1150: DC Circuits	4	
Digital Electronics	175007	CTEET002 - Digital Electronics	EET 1131: Digital Electronics	4	
					•
			PROFICIENCY		
ODE Course	Subject Code	S	Sinclair Course	Credit Hours	Notes
Plan Reading and Estimating	178019	CAT 1401: Co	onstruction Cost Estimating	3	
		Conoral Took	Draw Courses for All Debharous		
The following are goneral to			Prep Courses for All Pathways but often paired with courses in this pa	thurs. These	aureas many ha taught hy academia
The following are general to	ech prep courses a	avaliable to all patriways	CTAG	atriway. These c	ourses may be taught by academic
005.0	0.11.10.1	CTAN	- 1110	0 1111	I N. I
ODE Course	Subject Code		Sinclair Course	Credit Hours	Notes
Current and valid OSHA 10-h	our safety card	CTS001 - Safety	CAT 1431: OSHA Construction Standards 10 Hour	1	
					'
			PROFICIENCY		
ODE Course	Subject Code	5	Sinclair Course	Credit Hours	Notes
N/A	•	BIS 140	0: Customer Service	3	
N/A		MAT 1110	: Math for Technologists	3	
N/A			omputer Applications for Engineering	1	
			. 11		'

	C	DE-Sinclair Credit (Crosswalk: Information Techn	ology	
			n Support and Services (N0)		
			ARTICULATED		
ODE Course	Subject Code	S	Sinclair Course	Credit Hours	Notes
Information Technology	145005	BIS 110	05: IT Fundamentals	3	Credit awarded with proof of IT Fundamentals certification or passing WebXam score.
			2712		
005.0	0.11.10.1	OTAN.	CTAG	0 1111	N
ODE Course	Subject Code	CTAN CTIT005 - Intro	Sinclair Course CIS 1107: Introduction to Operating	Credit Hours	Notes
Computer Software	145030	Desktop O.S.	Systems	3	
Programming	145060	CTPROG001 - Computer Logic	CIS 1111: Introduction to Problem Solving & Computer Programming	3	
Networking	145035 and	CTIT002 - Networking/CompTIA	CIS 1130: Network Fundamentals	3	
Network Management	145045	Network+	010 4000 0 0 %		
Object Oriented Programming	145065	CTPROG003 - C++ Programming	CIS 1202: C++ Software Development	3	
object chanted i regiaming	110000	CTPROG002 - Java Programming	CIS 2212: Java Software Development I	3	
Computer Software	145030 and	CTIT011 - MS Windows Desktop OS	CIS 1510: Windows Client Operating System	3	
Network Operating Systems	145040				
Networking Operating	145040	CTIT013 - MS Server Administration	CIS 2510: Microsoft Windows Server Operating System	3	
Systems		CTIT016 - Linux	CIS 2550: Linux Operating System	3	
Naturals Commits	445050	CTIT015 - CompTIA Security +	CIS 2640: Network Security	3	
Network Security	145050	CTIT006 - Intro to User Support	CIS 2711: Enterprise Desktop Support Technician	3	
Computer Software	145030 and	CTIT014 - PC Operating System/A+	CIS 2731: A+ Hardware & Software	4	
Computer Hardware	145025 and				
ODE C	Outline Co.		PROFICIENCY	0	Net
ODE Course N/A	Subject Code		Sinclair Course	Credit Hours 3	Notes
N/A			tion Systems Analysis & Design troduction to Data Literacy	3	NEW! Credit option for AY 24-25, FPS - Paul Hansford, paul.hansford@sinclair.edu
N/A		CIS 1350: Web Site	Development with HTML & CSS	3	
N/A CIS 1350: Web Site Development with HTML & CIS 2165: Database Management		Databasa Managamant	3		

		In	teractive Media (N1)		
			ARTICULATED		
ODE Course	Subject Code	93	Sinclair Course	Credit Hours	Notes
Information Technology	145005	BIS 110	05: IT Fundamentals	3	Credit awarded with proof of IT Fundamentals certification or passing WebXam score.
			CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Programming	145060	CTPROG001 - Computer Logic	CIS 1111: Introduction to Problem Solving & Computer Programming	3	
Object Oriented Programming	145065	CTPROG003 - C++ Programming	CIS 1202: C++ Software Development	3	
Object Offerfied Programming	143003	CTPROG002 - Java Programming	CIS 2212: Java Software Development I	3	
			PROFICIENCY		
ODE Course	Subject Code	5	Sinclair Course	Credit Hours	Notes
N/A	,	CIS 1140: Informa	tion Systems Analysis & Design	3	
N/A			troduction to Data Literacy	3	NEW! Credit option for AY 24-25, FPS Paul Hansford, paul.hansford@sinclair.edu
N/A		CIS 1350: Web Site	Development with HTML & CSS	3	
N/A	\//C		VIS 1100: Design Foundations		Credit granted via portfolio review & eLearn shell content completion.
N/A		VIS 1140: Design Processes I		4	Credit granted via portfolio review & eLearn shell content completion.
N/A		VIS 12	10: Design Drawing	4	Credit granted via portfolio review & eLearn shell content completion.
N/A		VIS 12	50: Print Production	4	Credit granted via portfolio review & eLearn shell content completion.

			Networking (N2)		
			ARTICULATED		
ODE Course	Subject Code	S	Sinclair Course	Credit Hours	Notes
Information Technology	145005	BIS 110	05: IT Fundamentals	3	Credit awarded with proof of IT Fundamentals certification or passing WebXam score.
			CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Computer Software	145030	CTIT005 - Intro Desktop O.S.	CIS 1107: Introduction to Operating Systems	3	
Programming	145060	CTPROG001 - Computer Logic	CIS 1111: Introduction to Problem Solving & Computer Programming	3	
Networking	145035 and	CTIT002 - Networking/CompTIA	CIS 1130: Network Fundamentals	3	
Network Management	145045	Network+			
Object Oriented Programming	g 145065	CTPROG003 - C++ Programming	CIS 1202: C++ Software Development	3	
Object Chanted Frogramming	14000	CTPROG002 - Java Programming	CIS 2212: Java Software Development I	3	
Computer Software	145030 and	CTIT011 - MS Windows Desktop OS	CIS 1510: Windows Client Operating System	3	
Network Operating Systems	145040			Ü	
Networking Operating Systems	145040	CTIT013 - MS Server Administration	CIS 2510: Microsoft Windows Server Operating System	3	
Systems		CTIT016 - Linux	CIS 2550: Linux Operating System	3	
Naturalis Capunits	145050	CTIT015 - CompTIA Security +	CIS 2640: Network Security	3	
Network Security	145050	CTIT006 - Intro to User Support	CIS 2711: Enterprise Desktop Support Technician	3	
Computer Software	145030	CTIT014 - PC Operating System/A+	CIS 2731: A+ Hardware & Software	4	
Computer Hardware	145025 and				
			PROFICIENCY		
ODE 6	Cubinst Ord		PROFICIENCY	Credit II	Not
ODE Course N/A	Subject Code		Sinclair Course tion Systems Analysis & Design	Credit Hours 3	Notes
N/A		CIS 1160: In	troduction to Data Literacy	3	NEW! Credit option for AY 24-25, FPS - Paul Hansford, paul.hansford@sinclair.edu
N/A			Development with HTML & CSS	3	
N/A		CIS 2165:	Database Management	3	

		Programming	and Software Development (N3)		
			ARTICULATED		
ODE Course	Subject Code		Sinclair Course	Credit Hours	Notes
Information Technology	145005	BIS 110	05: IT Fundamentals	3	Credit awarded with proof of IT Fundamentals certification or passing WebXam score.
			CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Programming	145060	CTPROG001 - Computer Logic	CIS 1111: Introduction to Problem Solving & Computer Programming	3	
Object Oriented Programming	145065	CTPROG003 - C++ Programming CTPROG002 - Java	CIS 1202: C++ Software Development CIS 2212: Java Software	3	
		Programming	Development I	3	
-					
			PROFICIENCY		
ODE Course	Subject Code		Sinclair Course	Credit Hours	Notes
N/A			tion Systems Analysis & Design	3	
N/A		CIS 1160: In	troduction to Data Literacy	3	NEW! Credit option for AY 24-25, FPS Paul Hansford, paul.hansford@sinclair.edu
N/A		CIS 1350: Web Site	Development with HTML & CSS	3	
N/A		CIS 2165:	Database Management	3	
N/A		CIS 2266: F	Python for Data Analytics	3	
			Cybersecurity (N4) CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Computer Software	145030	CTIT005 - Intro	CIS 1107: Introduction to Operating	3	Notes
Computer Software	143030	Desktop O.S.	Systems	,	
Programming	145060	CTPROG001 - Computer Logic	CIS 1111: Introduction to Problem Solving & Computer Programming	3	
Networking	145035	CTIT002 -	CIS 1130: Network Fundamentals		
<u> </u>	and	Networking/CompTIA		3	
Network Management	145045	Network+			
Computer Software	145030 and	CTIT011 - MS Windows Desktop OS	CIS 1510: Windows Client Operating System	3	
Network Operating Systems	145040				
Networking Operating	145040	CTIT013 - MS Server Administration	CIS 2510: Microsoft Windows Server Operating System	3	
Systems		CTIT016 - Linux	CIS 2550: Linux Operating System	3	
Network Security	145050	CTIT015 - CompTIA Security +	CIS 2640: Network Security	3	
		CTIT006 - Intro to User Support	CIS 2711: Enterprise Desktop Support Technician	3	
Computer Software	145030	CTIT014 - PC Operating System/A+	CIS 2731: A+ Hardware & Software	4	
		Operating System/A		•	

		General Tech Prep Courses for All Pathways							
The following are general tech prep courses available to all pathways but often paired with courses in this pathway. These courses may be taught by academic									
	PROFICIENCY								
ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes					
N/A		BIS 1120: Introduction to Software Applications 3		PR credit is earned by completing eLearn shell content. AA credit is earned by providing proof of Microsoft Office Specialist (MOS) certification. AY 24-25: Must test using Office 365/2021.					
N/A	N/A BIS 1201: Keyboarding & Document		3						
N/A		BIS 1230: Spreadsheet Software	3	Graded project along with proof of passing the Microsoft Office Specialist (MOS) Excel certification exam required for credit. AY 24-25: Must test using Office 365/2021.					
N/A		BIS 1400: Customer Service	IS 1400: Customer Service 3						
N/A		MAT 1120: Business Mathematics	3	25-26 AY UPDATE: Business Mathematics, 15th Edition; Clendenen, Moninger, Salzman; Pearson; 978-0134697222					

		ODE-Sinclair Cro	edit Crosswalk: Health Scienc	е					
		Exercise Sci	ence and Sports Medicine (J6)						
ARTICULATED									
ODE Course	Subject Code	9	Sinclair Course	Credit Hours	Notes				
Patient Centered Care and Diagnostics	072055	ALH 112	0: Nurse Aide Training	4	Proof of STNA Certification required for credit. New FPS for AY 24-25 - Ayisha Walker, ayisha.walker@sinclair.edu				
Principles of Allied Health	072035	ALH 1130: Basic Life Support Training for Healthcare Provider ALH 1132: Heartsaver First Aid, CPR & AED		1	Two cards required for credit: a card for AHA Basic Life Support for Healthcare Provider AND AHA Heartsaver First Aid. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu				
				1	AHA Heartsaver First Aid, CPR/AED card required for credit. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu				
			CTAG						
ODE Course	0.4 4.0 - 4	CTAN	Sinclair Course	Credit Hours	Neter				
Exercise and Athletic Training	Subject Code 072000	CTES001 - Introduction to Exercise Science	ENS 1116: Exercise Science & Health Promotion	2	Notes				
Fitness Evaluation and Assessment	072020	CTES002 - Fitness and Health Foundations	ENS 1118: Lifetime Physical Fitness & Wellness	3					
Medical Terminology	072150	CTMT001 - Medical Terminology	HIM 1101: Medical Terminology	2					
			PROFICIENCY						
ODE Course	Subject Code		Sinclair Course	Credit Hours	Notes Notes				
Health Science and Technology	072001		duction to Healthcare Delivery	2	New FPS for AY 24-25 - Johanne Doty, johanne.doty@sinclair.edu				
Nutrition and Wellness	072015	DIT 1111: Nu	itrition for Health & Fitness	3					

		Allied Health an	d Nursing - Dental Assisting (JM)		
			ARTICULATED		
ODE Course	Subject Code	S	inclair Course	Credit Hours	Notes
Patient Centered Care and Diagnostics	072055	ALH 1120: Nurse Aide Training		4	Proof of STNA Certification required for credit. New FPS for AY 24-25 - Ayisha Walker, ayisha walker@sinclair.edu
Principles of Allied Health 072035		ALH 1130: Basic Life Support Training for Healthcare Provider ALH 1132: Heartsaver First Aid, CPR & AED		1	Two cards required for credit: a card for AHA Basic Life Support for Healthcare Provider AND AHA Heartsaver First Aid. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu
				1	AHA Heartsaver First Aid, CPR/AED card required for credit. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu
			CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Clinical Laboratory Techniques	072100	CTMLT001 - Intro to Medical (Clinical) Laboratory Science	CLT 1200/ 1203 Introduction to Clinical Laboratory w/Lab	2	
Dental Radiography	072076	CTDA002 - Dental Assisting	DAS 1206/ 1207: Dental Assisting Radiography w/Lab	2	
Medical Terminology	072150	CTMT001 - Medical Terminology	HIM 1101: Medical Terminology	2	
Health Information Technology	072135	CTHIM001 - Intro to Health Information Management	HIM 1110: Health Information Processing	3	
Health Information Management	072140	CTHIM002 - Legal and Ethical Aspects of Health Information Management	HIM 1204: Medicolegal & Ethics in Healthcare Records	2	
Mental Health	072065	CTBH001 - Mental Health	MHT 1101: Introduction to Mental Health Services	3	
Integrated Behavioral Health	072066	CTBH002 - Chemical Dependency	MHT 1130: Fundamentals of Addiction Counseling CDCA Preliminary	3	
			PROFICIENCY		
ODE 0	Cubinat Ord		PROFICIENCY	Cro dit U	Net
ODE Course Health Science and Technology	Subject Code 072001		inclair Course luction to Healthcare Delivery	Credit Hours 2	Notes New FPS for AY 24-25 - Johanne Doty, johanne.doty@sinclair.edu
N/A		DEH 1102: Introduction to Dental Hygiene		1	Cost per student associated with this course. Please contact Candice Flowers-Taylor (candice.flowers-tayl@sinclair.edu) for specifics. New FPS for AY24-25 Wendy Moore.

		The	removitie Comitees (INI)		
		i ner	apeutic Services (JN) CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
	•	CTBH001 - Mental	MHT 1101: Introduction to Mental		110100
Mental Health	072065	Health	Health Services	3	
		CTBH002 - Chemical	MHT 1130: Fundamentals of		
Integrated Behavioral Health	072066	Dependency	Addiction Counseling CDCA	3	
			Preliminary		
		Me	dical Bioscience (J0)		
			ARTICULATED		
ODE Course	Subject Code	S	inclair Course	Credit Hours	Notes
		ALH 1130: Basic Life Support Training for Healthcare Provider		1	Two cards required for credit: a card for AHA Basic Life Support for Healthcare Provider AND AHA Heartsaver First Aid.
Principles of Allied Health	072035		ALH 1132: Heartsaver First Aid, CPR & AED		New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu
		ALH 1132: Hear			AHA Heartsaver First Aid, CPR/AED card required for credit.
					New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu
			CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Medical Terminology	072150	CTMT001 - Medical Terminology	HIM 1101: Medical Terminology	2	
Biotechnology for Health and Disease	072125	CTBTC001	BTN 1110: Biotechnology & Bioethics	3	
			PROFICIENCY		
ODE Course	Subject Code		inclair Course	Credit Hours	Notes Notes
Health Science and Technology	072001	ALH 1101: Introd	luction to Healthcare Delivery	2	New FPS for AY 24-25 - Johanne Doty, johanne.doty@sinclair.edu
N/A		BIO 1107/ 11	08: Human Biology w/Lab	3	
N/A			afety & Regulatory Compliance	2	

		Health Inf	ormation Management (J7)		
			ARTICULATED		
ODE Course	Subject Code	S	inclair Course	Credit Hours	Notes
Patient Centered Care and Diagnostics	072055	ALH 1120: Nurse Aide Training		4	Proof of STNA Certification required for credit. New FPS for AY 24-25 - Ayisha Walker, ayisha.walker@sinclair.edu
Principles of Allied Health	072035	ALH 1130: Basic Life Support Training for Healthcare Provider		1	Two cards required for credit: a card for AHA Basic Life Support for Healthcare Provider AND AHA Heartsaver First Aid. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu
		ALH 1132: Hear	ALH 1132: Heartsaver First Aid, CPR & AED		AHA Heartsaver First Aid, CPR/AED card required for credit. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu
			27.0		
005.0	I 0 11 10 1	OTAN	CTAG		l N.
ODE Course	Subject Code	CTAN CTMT001 - Medical	Sinclair Course	Credit Hours	Notes
Medical Terminology	072150	Terminology	HIM 1101: Medical Terminology	2	
Health Information Technology	072135	CTHIM001 - Intro to Health Information Management	HIM 1110: Health Information Processing	3	
Health Information Management	072140	CTHIM002 - Legal and Ethical Aspects of Health Information Management	HIM 1204: Medicolegal & Ethics in Healthcare Records	2	
			PROFICIENCY		
ODE Course	Subject Code		inclair Course	Credit Hours	Notes
Health Science and Technology	072001	ALH 1101: Introd	luction to Healthcare Delivery	2	New FPS for AY 24-25 - Johanne Doty, johanne.doty@sinclair.edu
The fellowing area			Prep Courses for All Pathways		
i ne following are general to	ech prep courses	available to all pathways I	out often paired with courses in this pa	atriway. These c	ourses may be taught by academic
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Current and valid OSHA 10-h	, ,	CTS001 - Safety	CAT 1431: OSHA Construction Standards 10 Hour	1	Hotes
	<u> </u>				
	1		PROFICIENCY		
ODE Course	Subject Code		inclair Course	Credit Hours	Notes
N/A			08: Human Biology w/Lab	3	
N/A N/A			0: Customer Service hematics in Health Sciences	3	
IN/A		I WAT 1130: Mat	nematics in nearth sciences	<u>ა</u>	

	C	DE-Sinclair Credit (Crosswalk: Hospitality and To	urism	
			Culinary Arts (L0)		
			CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Fundamentals of Food Production	330100	CTCF005 - Food Production Lab	HMT 1101: Basic Culinary Skills	2	
Hospitality Fundamentals	330000	CTCF002 -Introduction to Hospitality and Tourism	HMT 1105: Introduction to the Hospitality & Tourism Industry	2	
ServSafe® Manager Ce	ertification	CTCF001 - Sanitation and Safety	HMT 1107: Sanitation & Safety	2	
Baking and Pastry Arts	330125	CTCF010 - Baking and Pastry Arts	HMT 1129: Restaurant Desserts	3	
Restaurant Management	330120	CTCF009 - Food Principles & Purchasing	HMT 2226: Hospitality Purchasing & Negotiations	2	
			PROFICIENCY		
ODE 0	Cubingt Ord		PROFICIENCY	Cre dit Harri	NI-4
ODE Course	Subject Code		Sinclair Course	Credit Hours	Notes
Baking and Pastry Arts	330125		aking I, II, & Barista Basics	4	
N/A		HMT 2201: Food Service Equipment, Design, & Maintenance HMT 2227: Hospitality Marketing		2	
N/A				2	
N/A		MAT 1125: Math for the Culinary Arts & Baking & Pastry Arts Professional		3	New FPS for AY 24-25 - Kristin Killen, kristin.killen@sinclair.edu
			Hospitality (L1)		
			CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
Hospitality Fundamentals	330000	CTCF002 -Introduction to Hospitality and Tourism	HMT 1105: Introduction to the Hospitality & Tourism Industry	2	
ServSafe® Manager Ce	ertification	CTCF001 - Sanitation and Safety	HMT 1107: Sanitation & Safety	2	
Hospitality Management	330035	CTCF007 - Technology in the Hospitality Industry	HMT 1137: Hospitality Industry Computer Systems	2	
Front Office Management and	330030	CTCF008 - Front Office Operations and	HMT 1136: Front Office Operations	2	
Operations	330030	Housekeeping	HMT 1139: Housekeeping Management	2	
			PROFICIENCY		
ODE Course	Subject Code	8	Sinclair Course	Credit Hours	Notes
Event and Food Planning			& Events Contracts & Obligations	1	
Event and Food Planning	330021	HMT 1149: Meeting	g & Events Set-up & Breakdown	2	
		General Tech	Prep Courses for All Pathways		
The following are general to	ech prep courses		but often paired with courses in this pa	thway. These co	ourses may be taught by academic
g g 31 cm to			PROFICIENCY	,	, g,
ODE Course	Subject Code	ļ ,	Sinclair Course	Credit Hours	Notes

		ODE-Sinclair Credit Crosswalk: Human Servi	ces	
		Cosmetology (M1)		
		ARTICULATED		
ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		PRL 2107: Cosmetology	30	Proof of active State of Ohio Cosmetolog license required for credit.
		General Tech Prep Courses for All Pathways		
The following are general t	ech prep courses a	vailable to all pathways but often paired with courses in this	pathway. These c	ourses may be taught by academic
		PROFICIENCY	,	, , ,
ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes
N/A		BIS 1120: Introduction to Software Applications	3	PR credit is earned by completing eLearn shell content. AA credit is earned by providing proof of Microsoft Office Specialist (MOS) certification. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1201: Keyboarding & Document Formatting	3	
N/A	BIS 1230: Spreadsheet Software		3	Graded project along with proof of passin the Microsoft Office Specialist (MOS) Excel certification exam required for credit. AY 24-25: Must test using Office 365/2021.
N/A		BIS 1400: Customer Service	3	
Business Foundations	141000	MAN 1107: Foundations of Business	3	
N/A		MAT 1120: Business Mathematics	3	25-26 AY UPDATE: Business Mathematics, 15th Edition; Clendenen, Moninger, Salzman; Pearson; 978- 0134697222

		ODE-Sinclair Cred	it Crosswalk: Law & Public Sa	fetv	
	Fire		ledical Services (P6) and Criminal Ju		
			ARTICULATED		
ODE Course	Subject Code		Sinclair Course	Credit Hours	Notes
Firefighter I	170343		1102: Firefighter I	7	NEW! AA Credit option for AY 24-2
Firefighter II	170344		: Firefighter II Transition	4	FPS - Kirk Temple,
Emergency Vehicle Operator	N/A	FST 1442: Ei	mergency Vehicle Operator	1	kirk.temple@sinclair.edu
			0710		
005.0	0.11.10.1		CTAG		
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes
he American Criminal Justice System	170911	CTCJ001 - Introduction to Criminal Justice	CJS 1101: Introduction to Criminal Justice Science		
Police Work & Practice in Public Safety	170913			3	Credit Recognition Guide
The Correctional System & Services	170915				
		CTEMS001 -	EMS 1100: Emergency Medical		
		Emergency Medical Responder	Responder Lecture & Laboratory	2	
		CTEMS002 -	EMS 1150 & EMS 1155: Emergency		
		Emergency Medical	Medical Technician: Lecture &		
		Technician	Laboratory for Emergency Medical Technician	7	
		CTEMS004 -	EMS 2100: Applied Anatomy,		
		Paramedic	Physiology & Pathophysiology for	_	
			Emergency Medical Services	3	
			Provider		
			EMS 2105: Paramedic 1: Lecture	2	
			EMS 2110: Paramedic 1: Laboratory	2	
			EMS 2125: Paramedic 2: Lecture	5	
			EMS 2130: Paramedic 2: Laboratory	2	
0 1011 0 11			EMS 2135: Paramedic 2: Clinical	2	
Current Ohio Paramedic	certification		EMS 2150: Paramedic 3: Lecture	5	
			EMS 2155: Paramedic 3: Laboratory	2	
			EMS 2160: Paramedic 3: Clinical	1	
			EMS 2175: Paramedic 4: Lecture	2	
			EMS 2180: Paramedic 4: Field Experience	1	
			EMS 2200: Paramedic 5: Integration/ Refresher Lecture	2	
			EMS 2205: Paramedic 5: Integration/ Refresher Laboratory	1	
Medical Terminology	072150	CTMT001 - Medical Terminology	HIM 1101: Medical Terminology	2	
			PROFICIENCY		
ODE Course	Subject Code		Sinclair Course	Credit Hours	Notes
N/A			1105: Criminal Law	3	Credit Recognition Guide
Investigations and Forensics in Criminal Investigations	170914	CJS 2205: Introduction	n to Criminal Investigation & Forensic Science	3	New FPS for AY 24-25 - Joe Niehaus, joseph.niehaus@sinclair.edu

General Tech Prep Courses for All Pathways								
The following are general tech prep courses available to all pathways but often paired with courses in this pathway. These courses may be taught by academic								
			ARTICULATED					
ODE Course Subject Code Sinclair Course Credit Hours Notes								
Principles of Allied Health	072035	ALH 1130: Basic Life Support Training for Healthcare Provider		1	Two cards required for credit: a card for AHA Basic Life Support for Healthcare Provider AND AHA Heartsaver First Aid. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu			
		ALH 1132: Heartsaver First Aid, CPR & AED		1	AHA Heartsaver First Aid, CPR/AED card required for credit. New FPS for AY 24-25 - Kelly Gruver, kelly.gruver@sinclair.edu			
			0740					
005.0		0741	CTAG	I 0 111 11				
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes			
Current and valid OSHA 10-h	nour safety card	CTS001 - Safety	CAT 1431: OSHA Construction Standards 10 Hour	1				
005	PROFICIENCY							
ODE Course	Subject Code		Sinclair Course	Credit Hours	Notes			
	N/A		08: Human Biology w/Lab	3				
N/A			0: Customer Service	3				
N/A		MAT 1130: Mat	hematics in Health Sciences	3				

### ATTICULATED ODE Course Subject Code Sinclair Course Credit Hours Notes		OD	E-Sinclair Credit Cro	osswalk: Manufacturing Techi	nologies			
ODE Course	Manufacturing Operations (R7)							
EGR 1217: Fluid Power & Control 2 Proof of passing WebXam Score required for credit. New PF9 for AY 24-25- Patrick Piper, patrick pip								
Hydraulics and Pneumatics O10225	ODE Course	Subject Code			Credit Hours			
Industrial Robotics 176025 Interest in the credit of credit of the patrick piper, patrick pipe	Hydraulics and Pneumatics	010225	EGR 1217	: Fluid Power & Control	2	for credit. New FPS for AY 24-25 - Patrick Piper,		
N/A N/A ISE 1202: Quality Practices & Measurement for Manufacturing Safety Certificate N/A	Industrial Robotics	176025	EGR 2252: Teach	n Pendant Robot Programming	3	for credit. New FPS for AY 24-25 - Patrick Piper,		
N/A N/A N/A N/A N/A N/A N/A N/A	N/A		ISE 1201: Introdu	uction to Manufacturing Safety	2	(CPT) Certification or MSSC - Introduction to Manufacturing		
N/A ISE 1204: Maintenance Awareness for Manufacturing N/A ISE 1204: Maintenance Awareness for Manufacturing N/A ISE 1204: Maintenance Awareness for Manufacturing AWSC - Certified Production Technician (CPT) Certification or MSSC - Maintenance Awareness for Manufacturing N/A ISE 1300: Fundamentals of Dimensional Metrology N/A ISE 1300: Fundamentals of Dimensional Metrology N/A ISE 2240: Six Sigma: Green Belt N/A ISE 2240: Six Sigma: Green Belt N/A ISE 2240: Six Sigma: Green Belt N/A MET 1301: SolidWorks Basics MET 1301: SolidWorks Basics AWA TOTA CTAN Sinclair Course CTAS CTAS Aided Drafting and Design (CADD) PROFICIENCY ODE Course Subject Code Subject Code Subject Code Sinclair Course CTMET005 - Computer Added Drafting and Design (CADD) PROFICIENCY ODE Course Subject Code Sinclair Course CTMET005 - Computer Added Drafting and Design (CADD) PROFICIENCY ODE Course Subject Code Sinclair Course CAM 1107: Introduction to Mechanical Drafting with CAD N/A CAM 1108: Machine Shop Fundamentals AMA CAM 1109: Fundamentals COMB TOWN AMA TOWN Machine Shop Fundamentals AMA CAM 1109: Fundamentals COMB TOWN AMA CAM 1109: Fundamentals AMA CAM 1109: Fundamentals COMB TOWN CAM 1109: Fundamentals AMA CAM 1109: Fundamentals COMB TOWN CAM 1109: Machine Shop Fu	N/A				2	(CPT) Certification or MSSC - Quality Practices and		
N/A ISE 1300: Fundamentals of Dimensional Metrology NEW! Credit option for AY 24-25, Maintenance Awareness for Manufacturing NEW! Credit option for AY 24-25, Six Sigma: Green Belt Given Credit. Six Sigma: Green Belt Six Sigma: Green Belt Six Sigma: Green Belt Six Sigma: Green Belt Given Credit. Six Sigma: Green Belt Credential Given Credit. Six Sigma: Green Belt Credit Hours Notes Given Credit. Six Sigma: Green Belt Credit Hours Given Green Credit. Six Sigma: Green Belt Credit Hours Given Green Credit Hours Given G	N/A		ISE 1203: Manufa	cturing Processes & Production	2	(CPT) Certification or MSSC - Manufacturing Processes and		
N/A ISE 2240: Six Sigma: Green Belt MET 1301: SolidWorks Basics MET 1301: SolidWorks Basics MET 1301: SolidWorks Basics Proof of Solidworks certification required for credit. New FPS for AY 24-25 - Michael Neal, michael.neal@sinclair.edu CTAG ODE Course Subject Code CTAN Sinclair Course CTEET002 - Digital Electronics CTEET002 - Digital Electronics EET 1131: Digital Electronics 4 CTMET005 - Computer Aided Drafting and Design (CADD) MET 1231: Introduction to Engineering Design Using 3D CAD Aided Drafting and Design (CADD) PROFICIENCY ODE Course Subject Code Sinclair Course Sinclair Course Credit Hours Notes N/A CAM 1107: Introduction to Mechanical Drafting with CAD N/A CAM 1108: Machine Shop Fundamentals Machine Tools 175004 CAM 1109: Fundamentals Machine Tools 175016 The student must supply proof of earning as Notes Six Sigma Green Belt The student must supply proof of earning as Nix Sigma Green Belt The student must supply proof of earning as Nix Sigma Green Belt Mest supply proof of earning as Notes Proof of Solidworks Basics Proof of Solidworks Carellitation as Notes The student must supply proof of earning as Notes Notes PROFICIENCY ODE Course Subject Code Sinclair Course Sinclair Course Credit Hours Notes Notes Notes N/A CAM 1107: Introduction to Mechanical Drafting with CAD A CAM 1108: Machine Shop Fundamentals Machine Tools The student must supply proof of earning as Notes The student must supply proof of earning as Notes Six Sigma Green Belt The student must supply proof of earning as Notes Six Sigma Green Belt Teachential as Notes The student must supply proof of earning as Notes Six Sigma Green Belt Teachential as Notes The student must supply proof of earning as Notes Six Sigma Six Sigma Credit Hours The student must supply proof of earing as Notes The student must supply proof of earing as Notes The student must supply proof of	N/A		ISE 1204: Maintenance Awareness for Manufacturing		2	(CPT) Certification or MSSC - Maintenance Awareness for		
N/A ISE 2240: Six Sigma: Green Belt 3 The student must supply proof of earning a Six Sigma Green Belt Credential MET 1301: SolidWorks Basics 4 Proof of Solidworks certification required for credit. New FPS for Ay 24-25 - Michael Neal, michael.neal@sinclair.edu CTAG ODE Course Subject Code CTAN Sinclair Course CTEET002 - Digital Electronics I75007 CTEET002 - Digital Electronics CTMET005 - Computer Aided Drafting and Design (CADD) MET 1231: Introduction to Engineering Design Using 3D CAD PROFICIENCY ODE Course Subject Code Sinclair Course Sinclair Course Credit Hours NET 1231: Introduction to Engineering Design Using 3D CAD A PROFICIENCY ODE Course Subject Code Sinclair Course Sinclair Course Credit Hours Notes N/A CAM 1107: Introduction to Mechanical Drafting with CAD N/A CAM 1108: Machine Shop Fundamentals Machine Tools 176004 CAM 1109: Fundamentals of Tooling & Machining 3	N/A		ISE 1300: Fundamentals of Dimensional Metrology		3	FPS - Cole Glover,		
N/A ODE Course Subject Code Digital Electronics CTAG CTET002 - Digital Electronics Digital Flectronics CTME CTME CTME ODE Course Digital Electronics 175007 CTET002 - Digital Electronics Electronics FET 1131: Digital Electronics 4 CTMET005 - Computer Aided Drafting and Design (CADD) MET 1231: Introduction to Engineering Design Using 3D CAD Aided Drafting and Design (CADD) PROFICIENCY ODE Course Subject Code Sinclair Course CAM 1107: Introduction to Mechanical Drafting with CAD N/A CAM 1108: Machine Shop Fundamentals Machine Tools 176004 CAM 1109: Fundamentals of Tooling & Machining 3 Machine Tools A Introduction to Mechanical Drafting with CAD A Machine Tools A Introduction to Mechanical Drafting with CAD A Machine Tools A Introduction to Mechanical Drafting with CAD A Machine Tools A Introduction to Mechanical Drafting with CAD A Machine Tools A Introduction to Mechanical Drafting with CAD A Machine Tools A Introduction to Mechanical Drafting with CAD A CAM 1109: Fundamentals of Tooling & Machining A Introduction to Mechanical Drafting with CAD A Machine Tools A Introduction to Mechanical Drafting with CAD A Introduction to Mechanical Draftin			Six Sigma: Green Belt	3	The student must supply proof of earning			
Digital Electronics 175007 CTEET002 - Digital Electronics EET 1131: Digital Electronics 4	N/A	N/A		01: SolidWorks Basics	4	for credit. New FPS for AY 24-25 - Michael Neal,		
Digital Electronics 175007 CTEET002 - Digital Electronics EET 1131: Digital Electronics 4				CTAG				
Digital Electronics 175007 CTEET002 - Digital Electronics 4 COMPUTE Integrated Manufacturing 175006 PROFICIENCY ODE Course Subject Code Sinclair Course CAM 1107: Introduction to Mechanical Drafting with CAD 3 N/A CAM 1108: Machine Tools 176004 CAM 1109: Fundamentals of Tooling & Machining 3 EET 1131: Digital Electronics 4 MET 1231: Introduction to Engineering Design Using 3D CAD 4 PROFICIENCY ODE Course Subject Code Sinclair Course Credit Hours Notes 3 Notes 176004 CAM 1108: Machine Shop Fundamentals 3 Machine Tools 176004 CAM 1109: Fundamentals of Tooling & Machining 3	ODE Course	Subject Code	CTAN		Credit Hours	Notes		
Computer Integrated Manufacturing 175006 Aided Drafting and Design (CADD) Engineering Design Using 3D CAD 4 PROFICIENCY ODE Course Subject Code Sinclair Course Credit Hours Notes N/A CAM 1107: Introduction to Mechanical Drafting with CAD 3 N/A CAM 1108: Machine Shop Fundamentals 3 Machine Tools 176004 CAM 1109: Fundamentals of Tooling & Machining 3		,	CTEET002 - Digital			110105		
ODE Course Subject Code Sinclair Course Credit Hours Notes N/A CAM 1107: Introduction to Mechanical Drafting with CAD 3 N/A CAM 1108: Machine Shop Fundamentals 3 Machine Tools 176004 CAM 1109: Fundamentals of Tooling & Machining 3		175006	Aided Drafting and	_	4			
ODE Course Subject Code Sinclair Course Credit Hours Notes N/A CAM 1107: Introduction to Mechanical Drafting with CAD 3 N/A CAM 1108: Machine Shop Fundamentals 3 Machine Tools 176004 CAM 1109: Fundamentals of Tooling & Machining 3				PROFICIENCY				
N/A CAM 1107: Introduction to Mechanical Drafting with CAD 3 N/A CAM 1108: Machine Shop Fundamentals 3 Machine Tools 176004 CAM 1109: Fundamentals of Tooling & Machining 3	ODE Course	Subject Code			Credit Hours	Notes		
N/A CAM 1108: Machine Shop Fundamentals 3 Machine Tools 176004 CAM 1109: Fundamentals of Tooling & Machining 3		Judject Code				140163		
Machine Tools 176004 CAM 1109: Fundamentals of Tooling & Machining 3								
		176004						
	N/A				3			

Metallurgy (R8)							
			CTAG				
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes		
Plan Reading and Estimating	178019	CTCON001 - Plan Reading	CAT 1141: Reading Architectural Drawings	2			
PROFICIENCY							
ODE Course	Subject Code	Sinclair Course		Credit Hours	Notes		
Plan Reading and Estimating	178019	CAT 1401: Construction Cost Estimating		3			

	General Tech Prep Courses for All Pathways							
The following are general	tech prep courses	available to all pathways l	but often paired with courses in this pa	athway. These co	urses may be taught by academic			
			CTAG					
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes			
Current and valid OSHA 10	Current and valid OSHA 10-hour safety card CTS001 - Safety CAT 1431: OSHA Construction			4				
Current and valid OSHA 10-	-nour salety card		Standards 10 Hour	'				
			PROFICIENCY					
ODE Course	Subject Code	S	Sinclair Course	Credit Hours	Notes			
N/A BIS 1400: Customer Service				3				
N/A MAT 1110: Math for Technologists		3						
N/A MET 1131: Personal Computer Applications for Engineering			1					

	ODE-S	inclair Credit Cross	walk: Transportation Systems	s - Aviation	
		Air	Transportation (TA)		
ARTI			es-Articulated credit through FAA a		
ODE Course	Subject Code		erplant Certificate, they will earn Ar Sinclair Course	Credit Hours	
N/A	Subject Code		: Drawings for Aviation	Credit Hours	Notes
N/A			egulations for Maintenance	3	
N/A			18: Weight & Balance	3	
N/A			Basic Aviation Electricity I	2	
N/A			Basic Aviation Electricity II	2	FAA Credential Required
N/A		AVT 1135	: Materials & Processes	4	1
N/A	*		AVT 1213: Corrosion		
N/A			eview & Recommendation	2	
N/A		AVT 2237: Aircraft	Inspections (Airframe and Eng.)	3	
	IE a4d		Contificate they will some Antiquists	d Cuadit fam	
ODE Course	Subject Code		Certificate, they will earn Articulate Sinclair Course	Credit Hours	Notes
N/A	Subject Code		Airframe Safety Systems	2	Notes
N/A			107: Fuel Systems	3	
N/A			struments/Communications	3	
N/A			1136: Sheet Metal	4	
N/A		AVT 1214: C	abin Atmospheric Control	3	FAA Credential Required
N/A			218: Utility Systems	4	
N/A			1: Assembly & Rigging	3	
N/A			irframe Electrical Systems	4	
N/A		AVT 2236:	Non-Metallic Structures	3	
	lf atuala	ot come FAA Dowernlan	4 Cantificate Above will some Antiquida	had Cuadit fam	
ODE Course	Subject Code		t Certificate, they will earn Articulation	Credit Hours	Notes
N/A	Subject Code		owerplant Safety Systems	3	Notes
N/A			22: Ignition & Starting	3	
N/A		AVT 2126: Reciprocating Engines		4	
N/A		AVT 2129: Propellers		2	FAA Credential Required
N/A		AVT 2138: Engine Fuel & Fuel Metering		3	
N/A			19: Turbine Engines	4	
			CTAG		
ODE Course	Subject Code	CTAN CTAIR004 -	Sinclair Course AVT 1105: Orientation to Aviation	Credit Hours	Notes
Aviation	177013	Introduction to Aviation	AVI 1105: Offentation to Aviation	2	
Aviation Pilot Training	177021	CTAIR005 - Private Pilot Theory	AVT 1110: Private Pilot Ground School	3	
Aviation Meterology	177019	CTAIR003 - Aviation Meterology	AVT 1119: Aviation Meteorology	2	
Aviation Airport Management	177020	CTAIR001 - Air Transportation	AVT 2146: Introduction to Airline Operations	3	
			PROFICIENCY		
ODE Course	Subject Code		Sinclair Course	Credit Hours	Notes
N/A	Cubject Code		ion to Unmanned Aerial Systems	2	New FPS for AY 24-25 - Tommy Sunderhaus, tommy.sunderhaus@sinclair.edu
N/A		AVT 1103: Re	emote Pilot Ground School	1	Course credit can be earned as PR via completion of eLearn shell content, or credit can be awarded as AA with proof of FAA Part 107 Remote Pilot Certification. New FPS for AY 24-25 - Tommy Sunderhaus, tommy.sunderhaus@sinclair.edu
N/A	N/A		Standards, Regulations & Law	1	New FPS for AY 24-25 - Tommy Sunderhaus, tommy.sunderhaus@sinclair.edu
N/A		AVT 1141: Principles of Aviation Leadership		2	
N/A					
N/A N/A			Resource Management for UAS 51: UAS Operations I	3	

JROTC								
	PROFICIENCY							
ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes				
N/A		AVT 1141: Principles of Aviation Leadership	2					
			-					
		General Tech Prep Courses for All Pathways						
The following are general to	ech prep courses a	available to all pathways but often paired with courses in this pa	athway. These co	ourses may be taught by academic				
		PROFICIENCY						
ODE Course	Subject Code	Sinclair Course	Credit Hours	Notes				
N/A	-	BIS 1400: Customer Service	3					
N/A MAT 1110: Math for Technologists 3								
N/A MET 1131: Personal Computer Applications for Engineering			1					

ODE-Sinclair Credit Crosswalk: Transportation Systems - Automotive								
Ground Transportation (T9)								
ARTICULATED								
ODE Course	Subject Code	S	inclair Course	Credit Hours	Notes			
N/A		AUT 1100:	Consumer Automotive	2	Credit is earned by graduating from a secondary career technical automotive program.			
N/A		AUT 1108: Au	utomotive 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.			
AUT 1114: Automotive Electrical/Electronic Systems 1 N/A				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 & Susper			e Steering & Suspension Systems	3	Students must successfully complete ASE student certification exam A4- Suspension and Steering with a passing grade of 70% or higher to be awarded credit.			
N/A	N/A		AUT 1165: Automotive Brake Systems		Students must successfully complete ASE student certification exam A5- Brakes with a passing grade of 70% or higher to be awarded credit.			
005.0		OTAN	CTAG		N. d			
ODE Course	Subject Code	CTAN	Sinclair Course	Credit Hours	Notes			
Ground Transportation Maintenance AND	177000	CTAUT005 - AUT 1102: Introduction to Introduction to Automotive Service Automotive Service and		2	Credit Recognition Guide			
ASE/NATEF examination for N	ASE/NATEF examination for Maintenance and Repair							
		Gonoral Took	Pron Courses for All Bathways					
General Tech Prep Courses for All Pathways The following are general tech prep courses available to all pathways but often paired with courses in this pathway. These courses may be taught by academic								
PROFICIENCY								
ODE Course	Subject Code	S	inclair Course	Credit Hours	Notes			
N/A		BIS 140	0: Customer Service	3				
N/A			Math for Technologists	3				
N/A MET 11		MET 1131: Personal Co	emputer Applications for Engineering	1				