

## Sinclair/Tech Prep College Credit Options for AY 2018-19

Tech Prep students have an opportunity to earn college credit in their respective program pathways. These credits may be transcribed onto a Sinclair transcript as Articulated Award credit (AA), Proficiency credit (A#, B#, or C#), or CTAG transfer credit (CR).

Courses available to ALL program pathways			
May be taught by or in conjunction with other core/academic teachers			
Course		Course Name	Semester Hours
<b>Proficiency Credits</b>			
<i>BIO</i>	<i>1107/1108</i>	<i>Human Biology with Lab</i>	<b>3</b>
<i>BIS</i>	<i>1120</i>	<i>Introduction to Software Applications</i>	<b>3</b>
<i>BIS</i>	<i>1201</i>	<i>Keyboarding &amp; Document Formatting</i>	<b>3</b>
<i>BIS</i>	<i>1301</i>	<i>Advanced Document Formatting &amp; Keyboarding</i>	<b>3</b>
<i>BIS</i>	<i>1400</i>	<i>Customer Service</i>	<b>3</b>
<i>MAN</i>	<i>1107</i>	<i>Foundations of Business</i>	<b>3</b>
<i>MAT</i>	<i>0200</i>	<i>Algebra II</i> <b>NEW</b>	<b>3</b>
<i>MAT</i>	<i>0300</i>	<i>Algebra III</i> <b>NEW</b>	<b>3</b>
<i>MAT</i>	<i>1110</i>	<i>Math for Technologists</i>	<b>3</b>
<i>MAT</i>	<i>1120</i>	<i>Business Mathematics</i>	<b>3</b>
<i>MAT</i>	<i>1130</i>	<i>Mathematics in Health Sciences</i>	<b>3</b>
<i>MET</i>	<i>1131</i>	<i>Personal Computer Applications for Engineering Technology</i>	<b>1</b>

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*Bold and Italicized Type* = Courses available on eLearn (D2L)

## Agricultural & Environmental Systems

A0 Agribusiness & Production Systems, A1 Industrial Power Technology, A3 Agriculture, Food & Natural Resources Bioscience, A5 Horticulture, A6 Natural Resource Management

Course		Course Name	Semester Hours
<b>Proficiency Credits</b>			
<b><i>ACC</i></b>	<b><i>1100</i></b>	<b><i>Small Business Accounting</i></b>	<b>3</b>
EGV	1501	Environmental Assessment & Analysis	3
FST	1555	Hazardous Waste Operations & Emergency Response (HAZWOPER)	3
<b>Articulated Credits</b>			
AUT	1100	Consumer Automotive (A1 Industrial Power Technology ONLY)	2

## A2 Animal Science & Management

Course		Course Name	Semester Hours
<b>Articulated Credits</b>			
VET	1100	Introduction to Animal Careers	1

## Arts & Communication

### B0 Media Arts

Course		Course Name	Semester Hours
<b>Proficiency Credits</b>			
JOU	2101	Introduction to Journalism	3

*There currently are no identified Sinclair CTAG equivalents.*

### B1 Performing Arts

Course		Course Name	Semester Hours
<b>Proficiency Credit Granted via Portfolio Review</b>			
No Courses Offered			

### B2 Visual Design and Imaging

Course		Course Name	Semester Hours
<b>Proficiency Credits</b>			
<b><i>CIS</i></b>	<b><i>1350</i></b>	<b><i>Web Site Development with HTML &amp; CSS</i></b>	<b>3</b>
<b>Proficiency Credit Granted via Portfolio Review</b>			
VIS	1100	Design Basics	4
VIS	1110	Design Drawing	4
VIS	1140	Design Processes I	4
VIS	1250	Print Production	4

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**Business & Administrative Services/Finance/Marketing**  
**C4 Business & Administrative Services, G2 Finance, S5 Marketing**

Course		Course Name	Semester Hours
<b>Proficiency Credits</b>			
<i>ACC</i>	<i>1100</i>	<i>Small Business Accounting</i>	<b>3</b>
<i>FIN</i>	<i>2450</i>	<i>Personal Finance</i>	<b>3</b>
<i>MAN</i>	<i>1110</i>	<i>International Business</i>	<b>3</b>
<i>MAN</i>	<i>2110</i>	<i>Introduction to Project Management</i>	<b>3</b>
<i>MAN</i>	<i>2150</i>	<i>Management &amp; Organizational Behavior</i>	<b>3</b>
<i>MRK</i>	<i>2100</i>	<i>Foundations of Marketing</i>	<b>3</b>
<i>MRK</i>	<i>2225</i>	<i>Sales Fundamentals</i>	<b>3</b>

**Construction Technologies**

**DD Structural Systems, DE Mechanical, Electrical, & Plumbing, DF Construction Design & Management**

Course		Course Name	Semester Hours
<b>Articulated Credits</b>			
CAT	1701	Construction Craft Skills/Concrete	6
CAT	1741	Residential Electrical Systems	3
CAT	1810	*Construction Techniques I (NCCER Core or Career Connections)	3
CAT	1820	*Construction Techniques II (NCCER Carpentry Level 1 or Career Connections)	3
EET	1181	*Electrical Construction I (NCCER Electrical Level 1 or Career Connections)	2

**Education & Training**

**E0 Early Childhood Education**

Course		Course Name	Semester Hours
<b>Articulated/Proficiency Credits</b>			
<sup>†</sup> ECE	1100	Introduction to Early Childhood Education	3
<b>Proficiency Credits</b>			
<sup>†</sup> ECE teachers must have Learning Outcomes on file with Nancy Sikora for students to qualify for articulated award credit for ECE 1100. In order for students to receive proficiency credit for ECE 1100, Tech Prep teachers must have Sinclair adjunct faculty status, and students must meet course requirements as outlined by the ECE Department.			

**E1 Teaching Professions**

Course		Course Name	Semester Hours
<b>Proficiency Credits</b>			
No Courses Offered			

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## Engineering & Science Technologies – Engineering & Design

### F6 Engineering & Design

Course		Course Name	Semester Hours
<b>Proficiency Credits</b>			
CAM	1110	Advanced Machine Operations	3
<b>Articulated Credits</b>			
CAM	1107	Principles of Manufacturing	3
CAM	1109	Fundamentals of Tooling & Machining	3
CAM	1141	Shop Floor Calculations I	3
MET	1301	*SolidWorks Basics	3

## Health Science – Allied Health and Nursing

### JM Allied Health & Nursing, J7 Health Information Management

Course		Course Name	Semester Hours
<b>Proficiency Credits</b>			
<i>ALH</i>	<i>1101</i>	<i>Introduction to Healthcare Delivery</i>	<i>2</i>
<b>Articulated Credits</b>			
ALH	1120	*Nurse Aide Training	4
ALH	1130	*Basic Life Support Training for Healthcare Provider	1
ALH	1132	*Heartsaver First Aid, CPR & AED	1

## Health Science – Dental Assisting

### JM Allied Health & Nursing

Course		Course Name	Semester Hours
<b>Proficiency Credits</b>			
<i>ALH</i>	<i>1101</i>	<i>Introduction to Healthcare Delivery</i>	<i>2</i>
<i>DEH</i>	<i>1102</i>	<i>Introduction to Dental Hygiene</i>	<i>1</i>
<b>Articulated Credits</b>			
ALH	1130	*Basic Life Support Training for Healthcare Provider	1
ALH	1132	*Heartsaver First Aid, CPR & AED	1

## Health Science – Exercise Science and Sports Medicine

### J6 Exercise Science & Sports Medicine

Course		Course Name	Semester Hours
<b>Proficiency Credits</b>			
<i>ALH</i>	<i>1101</i>	<i>Introduction to Healthcare Delivery</i>	<i>2</i>
<b>Articulated Credits</b>			
ALH	1130	*Basic Life Support Training for Healthcare Provider	1
ALH	1132	*Heartsaver First Aid, CPR & AED	1

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## Health Science – Medical Bioscience

### J0 Medical Bioscience

Course		Course Name	Semester Hours
<b>Proficiency Credits</b>			
<i>BIO</i>	<i>1107/1108</i>	<i>Human Biology w/Lab</i>	<b>3</b>
<b>Articulated Credits</b>			
ALH	1130	*Basic Life Support Training for Healthcare Provider	1
ALH	1132	*Heartsaver First Aid, CPR & AED	1
BTN	1110	Biotechnology & Bioethics	3
BTN	1120	Laboratory Safety & Regulatory Compliance	2

## Hospitality & Tourism

### L0 Culinary Arts, L1 Hospitality

Course		Course Name	Semester Hours
<b>Proficiency Credits</b>			
<i>MAT</i>	<i>1125</i>	<i>Math for the Culinary Arts Baking &amp; Pastry Arts Professional</i> <b>NEW</b>	<b>3</b>
HMT	1126	Baking I	2

## Human Services

### M1 Cosmetology

Course		Course Name	Semester Hours
<b>Proficiency Credits</b>			
<i>ACC</i>	<i>1100</i>	<i>Small Business Accounting</i>	<b>3</b>
<i>BIS</i>	<i>1400</i>	<i>Customer Service</i>	<b>3</b>

## Information Technology

### N0 Information Support & Services, N2 Networking, N3 Programming & Software Development

Course		Course Name	Semester Hours
<b>Proficiency Credits</b>			
<i>CIS</i>	<i>1350</i>	<i>Web Site Development with HTML &amp; CSS</i>	<b>3</b>
<i>CIS</i>	<i>2165</i>	<i>Database Management</i>	<b>3</b>

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## Information Technology

### N1 Interactive Media

Course		Course Name	Semester Hours
<b>Proficiency Credits</b>			
<i>CIS</i>	<i>1350</i>	<i>Web Site Development with HTML &amp; CSS</i>	<b>3</b>
<b>Proficiency Credit Granted via Portfolio Review</b>			
VIS	1100	Design Basics	4
VIS	1110	Design Drawing	4
VIS	1140	Design Processes I	4
VIS	1250	Print Production	4

## Law and Public Safety

### P1 Criminal Justice, P6 Firefighting and Emergency Medical Services

Course		Course Name	Semester Hours
<b>Proficiency Credits</b>			
<i>CJS</i>	<i>1105</i>	<i>Criminal Law</i>	<b>3</b>
<i>CJS</i>	<i>1125</i>	<i>Policing</i>	<b>3</b>
<i>CJS</i>	<i>1155</i>	<i>Homeland Security Issues</i>	<b>3</b>
<i>CJS</i>	<i>2130</i>	<i>Terrorism &amp; Counter-Terrorism</i>	<b>3</b>
<i>CJS</i>	<i>2205</i>	<i>Introduction to Criminal Investigation &amp; Forensic Science</i>	<b>3</b>

## Manufacturing Technologies

### R7 Manufacturing Operations

Course		Course Name	Semester Hours
<b>Proficiency Credits</b>			
OPT	1100	Tooling & Machining Metrology	2
CAM	1110	Advanced Machine Operations	3
<b>Articulated Credits</b>			
CAM	1107	Principles of Manufacturing	3
CAM	1109	Fundamentals of Tooling & Machining	3
CAM	1141	Shop Floor Calculations I	3
MET	1301	*SolidWorks Basics	3

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## Transportation Systems – Automotive

### T9 Ground Transportation

Course		Course Name	Semester Hours
<b>Articulated Credits</b>			
AUT	1100	Consumer Automotive	2
†AUT	1108	Automotive Engine Systems	4
†AUT	1114	Automotive Electrical/Electronic Systems I	3
†AUT	1116	Automotive Steering & Suspension Systems	3
†AUT	1165	Automotive Brake Systems	3
†Students must successfully complete an ASE student certification exam with a passing grade of 70% or higher to be awarded credit for the above identified course.			

## Transportation Systems – Aviation

### TA Air Transportation

Course		Course Name	Semester Hours
<b>Proficiency Credits – Only Sinclair approved adjunct Instructors can only award a proficiency letter grade.</b>			
<b>From the General Certificate delivered by Sinclair adjunct instructors (credit capture process)</b>			
AVT	1116	*Regulations for Maintenance	3
AVT	1118	*Weight & Balance	3
AVT	1213	*Corrosion	3
AVT	1141	Principles of Aviation Leadership	2
AVT	2237	*Aircraft Inspections	3
<b>From the Airframe Certificate delivered by Sinclair adjunct instructors (credit capture process)</b>			
AVT	1136	*Sheet Metal	4
AVT	1218	*Utility Systems	6
<b>From the Powerplant Certificate delivered by Sinclair adjunct instructors (credit capture process)</b>			
AVT	2129	*Propellers	4
AVT	2219	*Turbine Engines	4
<b>Articulated Credits</b>			
<b>From the Airframe Certificate delivered by Sinclair adjunct instructors (credit capture process)</b>			
AVT	1105	Orientation to Aviation	2
AVT	1116	Regulations for Maintenance	3
AVT	2125	Developments in Aviation	2

## JROTC

Course		Course Name	Semester Hours
<b>Articulated Credits</b>			
AVT	1141	Principles of Aviation Leadership	2
AVT	2125	Developments in Aviation	2

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## Project Lead the Way (PLTW)

### Engineering

Course		Course Name	Semester Hours
<b>Proficiency Credits</b>			
CAT	1161	Introduction to Civil & Architectural Technology (CEA)	2
EET	1198	Digital Technology (DT)	2
EGR	1128	Robotics in Computer Integrated Manufacturing (CIM) Systems	3
MET	1231	Introduction to Drafting & Design Using Inventor (IED)	4
MET	1241	Principles of Engineering (POE)	2
MET	1281	Engineering Design & Development (EDD)	2

### Biomedical Sciences

Course		Course Name	Semester Hours
<b>Proficiency Credits (PLTW Only)</b>			
BIO	1107/1108	Human Biology (Human Body Systems - HBS)	3
BTN	1110	Biotechnology & Bioethics (Medical Intervention - MI)	3

**Project Lead the Way (PLTW) credit** is achieved through successful completion of the PLTW examination process as administered by a certified high school instructor at the conclusion of each high school PLTW course.

In order to receive credit for Sinclair course(s), the student must achieve a high school course grade of “B” or above and receive a stanine score of a “6” or above on the end of course exam.

Credit for PLTW course(s) are processed via the PLTW credit capture form in accordance with the PLTW office at Sinclair Community College.

Please visit the PLTW website @ [www.pltwhio.org](http://www.pltwhio.org) for more information regarding the PLTW program.

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# Sinclair/Tech Prep CTAG Alignments for AY 2018-19

## Agricultural & Environmental Systems

**A0** Agribusiness & Production Systems, **A1** Industrial Power Technology, **A2** Animal Science & Management, **A3** Agriculture, Food & Natural Resources Bioscience, **A5** Horticulture, **A6** Natural Resource Management

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
All Agricultural & Environmental Systems Pathways	A0, A1, A2, A3, A5, A6	No course match at this time.	10 Hour Safety	CAT 1431	OSHA Construction Standards 10 Hour	1

### A0 Agribusiness & Production Systems

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Agribusiness & Production Systems	A0	010715	Energy Systems Management	EGV 1101	Alternate & Renewable Energy Sources	3

### A2 Animal Science & Management

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Animal Science and Management	A2	010910	Animal Science and Technology	VET 1120	Introduction to Large Animal Sciences: Handling and Husbandry	3
Animal Science and Management	A2	072150	Medical Terminology	HIM 1101	Medical Terminology	2

### A3 Agriculture, Food & Natural Resources Bioscience

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Agriculture, Food & Natural Resources Bioscience	A3	012010	Animal and Plant Biotechnology	BTN 1110	Biotechnology & Bioethics	3

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## A6 Natural Resource Management

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Natural Resource Management	A6	010715	Energy Systems Management	EGV 1101	Alternate & Renewable Energy Sources	3
Natural Resource Management	A6	010717	Solar and Wind Energy	EGV 2101	Solar Photovoltaic Design & Installation	3

## Arts & Communication

### B1 Performing Arts

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Performing Arts	B1	340250	Stagecraft	THE 1106/THE 1107	Stagecraft/Lab for Stagecraft	3

### B2 Visual Design and Imaging

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Visual Design and Imaging	B2	340315 or 340320	Visual Creation or Digital Print Design	VIS 1208	Typography	4
Visual Design and Imaging	B2	340340	Advertising and Communication	MRK 2102	Principles of Advertising	3

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## Business & Administrative Services/Finance/Marketing

### C4 Business & Administrative Services

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Business and Administrative Services	C4	142015	Medical Office Management	BIS 2180	Medical Office Simulation	3
Business and Administrative Services	C4	142025	Supply Chain Management	MAN 2159	Supply Chain Management Concepts & Applications	3
Business and Administrative Services	C4	142020	Operations Management	OPT 2251	Supply Chain Operations & Logistics	3

### S5 Marketing

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Marketing	S5	142025	Supply Chain Management	MAN 2159	Supply Chain Management Concepts & Applications	3
Marketing	S5	142020	Operations Management	OPT 2251	Supply Chain Operations & Logistics	3

## Construction Technologies

### DD Structural Systems, DE Mechanical, Electrical, & Plumbing, DF Construction Design & Management

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
All Construction Technologies Pathways	DD, DE, DF	No course match at this time	10 Hour Safety	CAT 1431	OSHA Construction Standards 10 Hour	1

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### DD Structural Systems

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Structural Systems	DD	178019	Plan Reading	CAT 1141	Architectural Blueprint Reading	2
Structural Systems	DD	178018	Construction Safety and Crew Leadership	CAT 2431	OSHA Construction Standards	2
Structural Systems	DD	178001	Carpentry and Masonry Technical Skills	CAT 1201	Construction Methods & Materials	4

### DE Mechanical, Electrical, & Plumbing

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Mechanical, Electrical and Plumbing	DE	178019	Plan Reading	CAT 1141	Architectural Blueprint Reading	2
Mechanical, Electrical and Plumbing	DE	178018	Construction Safety and Crew Leadership	CAT 2431	OSHA Construction Standards	2
Mechanical, Electrical and Plumbing	DE	178001	Carpentry and Masonry Technical Skills	CAT 1201	Construction Methods & Materials	4
Mechanical, Electrical and Plumbing	DE	No course match at this time	No course match at this time.	CAT 1111, EET 1120, EET 1139, HVA 1201, HVA 1221, HVA 1241, HVA 1261, HVA 1401	Mechanical Systems Blueprint Reading, Introduction to DC & AC Circuits, Electrical Machinery, Basic HVAC Systems with Cooling, Heating Systems, HVAC Installation Techniques & Practices, HVAC Loads & Distribution for Small Buildings, HVAC Mechanical & Electrical Troubleshooting	23

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## DF Construction Design & Management

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Construction Design and Management	DF	178019	Plan Reading	CAT 1141	Architectural Blueprint Reading	2
Construction Design and Management	DF	178018	Construction Safety and Crew Leadership	CAT 2431	OSHA Construction Standards	2
Construction Design and Management	DF	178001	Carpentry and Masonry Technical Skills	CAT 1201	Construction Methods & Materials	4
Construction Design and Management	DF	No course match at this time	No course match at this time.	CAT 1111, EET 1120, EET 1139, HVA 1201, HVA 1221, HVA 1241, HVA 1261, HVA 1401	Mechanical Systems Blueprint Reading, Introduction to DC & AC Circuits, Electrical Machinery, Basic HVAC Systems with Cooling, Heating Systems, HVAC Installation Techniques & Practices, HVAC Loads & Distribution for Small Buildings, HVAC Mechanical & Electrical Troubleshooting	23

## Education & Training

### E1 Teaching Professions

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Teaching Professions	E1	350010	Education Principles	EDU 1100	Introduction to Education	3

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## Engineering & Science Technologies

### F6 Engineering & Design

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Engineering and Design	F6	178019	Plan Reading	CAT 1141	Architectural Blueprint Reading	2
Engineering and Design	F6	175011 or 175002 and/or 175004	DC and AC Electronic Circuits, or Engineering Principles, or Robotics	EET 1150	DC Circuits	4
Engineering and Design	F6	175007	Digital Electronics	EET 1131	Digital Electronics	5
Engineering and Design	F6	175004	Robotics	EET 2281	Programmable Logic Controllers	3
Engineering and Design	F6	145030	Computer Software	CIS 1107	Introduction to Operating Systems	3
Engineering and Design	F6	175003	Manufacturing Operations	OPT 2205	Manufacturing Processes	3
Engineering and Design	F6	175001	Engineering Design	MET 1371	CAD Concepts using AutoCAD	3
Engineering and Design	F6	No course match at this time	10 Hour Safety	CAT 1431	OSHA Construction Standards 10 Hour	1
Engineering and Design	F6	010715	Energy Systems Management	EGV 1101	Alternate & Renewable Energy Sources	3

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## Health Science

J0 Medical Bioscience, JM Allied Health & Nursing, J7 Health Information Management,  
J6 Exercise Science & Sports Medicine

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
All Health Science Pathways	J0, JM, J7, J6	072150	Medical Terminology	HIM 1101	Medical Terminology	2

### J6 Exercise Science & Sports Medicine

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Exercise Science and Sports Medicine	J6	072000	Exercise Science and Athletic Training	ENS 1116	Introduction to Exercise Science & Health Promotion	3
Exercise Science and Sports Medicine	J6	072020	Fitness Evaluation and Assessment	ENS 1118	Lifetime Physical Fitness & Wellness	3

## Hospitality & Tourism

### L0 Culinary Arts

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Culinary Arts	LO	330000	Hospitality Fundamentals	HMT 1107	Sanitation & Safety	2
Culinary Arts	LO	330000	Hospitality Fundamentals	HMT 1105	Introduction to the Hospitality & Tourism Industry	2
Culinary Arts	LO	330100	Fundamentals of Food Production	HMT 1101	Basic Culinary Skills	3

### L1 Hospitality

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Hospitality	L1	330000	Hospitality Fundamentals	HMT 1105	Introduction to the Hospitality & Tourism Industry	2

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## Information Technology

### N0 Information Support & Services

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Information Support and Services	N0	145030	Computer Software	CIS 1107	Introduction to Operating Systems	3
Information Support and Services	N0	145050	Network Security	CIS 2711	Enterprise Desktop Support Technician	3

### N2 Networking

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Networking	N2	145035, 145045	Networking, Network Management	CIS 1130	Network Fundamentals	3
Networking	N2	145030	Computer Software	CIS 1107	Introduction to Operating Systems	3
Networking	N2	145050	Network Security	CIS 2711	Enterprise Desktop Support Technician	3
Networking	N2	No course match at this time	No course match at this time.	CIS 1411	Introduction to Networks	3
Networking	N2	No course match at this time	No course match at this time.	CIS 2416	Routing & Switching Essentials	4
Networking	N2	No course match at this time	No course match at this time.	CIS 2421	Scaling Networks	4
Networking	N2	No course match at this time	No course match at this time.	CIS 2426	Connecting Networks	4

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## Law and Public Safety

### P1 Criminal Justice, P6

#### P1 Criminal Justice, P6 Firefighting and Emergency Medical Services

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
All Law and Public Safety Pathways	P1, P6	170911, 170913, 170915	The American Criminal Justice System, Police Work and Practice in Public Safety, The Correctional System and Services	CJS 1101	Introduction to Criminal Justice Science	3
All Law and Public Safety Pathways	P1, P6	No course match at this time	No course match at this time.	EMS 1100	Emergency Medical Responder Lecture and Laboratory	2
All Law and Public Safety Pathways	P1, P6	170345	Emergency Medical Technician	EMS 1150, EMS 1155	Emergency Medical Technician: Lecture and Laboratory for Emergency Medical Technician	7

## Manufacturing Technologies

### R7 Manufacturing Operations

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Manufacturing Operations	R7	175003	Manufacturing Operations	OPT 2205	Manufacturing Processes	3

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## Transportation Systems – Automotive

### T9 Ground Transportation

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Ground Transportation	T9	177000	Ground Transportation Maintenance	AUT 1102	Introduction to Automotive Service	2
Ground Transportation	T9	No course match at this time	No course match at this time.	CAT 1431	OSHA Construction Standards 10 Hour	1

## Transportation Systems – Aviation

### TA Air Transportation

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
Air Transportation	TA	177020	Aviation Airport Management	AVT 2146	Introduction to Airline Operations	3
Air Transportation	TA	177019	Aviation Meteorology	AVT 1119	Aviation Meteorology	2
Air Transportation	TA	177021	Aviation Pilot Training	AVT 1110	Private Pilot Ground School	3

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## Courses/Credit Options Moved or Removed

The following course options are removed are due to curricular changes at the college, inactivity by partner programs, classified as an OTM (Ohio Transfer Module), TAG (Transfer Assurance Guideline) course, or being newly identified as a CTAG (Career-Technical Assurance Guideline) opportunity.

Courses designated as an approved OTM, TAG or CTAG course cannot be offered through Tech Prep bilateral agreements per the Ohio Dept. of Education.

Course		Description	Designation
BIO	1111/1117	General Biology I with Lab	OTM
MAT	1370	Intermediate Algebra	No Longer Available
THE	1194	Applied Theatre Technology I	TAG
ACC	1210	Introduction to Financial Accounting	TAG
ECE	1101	Introductory Child Development	TAG
EDU	1103	Educational Technology	No Credits Awarded
MET	1231	Introduction to Drafting & Design Using Inventor <i>(Non-PLTW Programs Only)</i>	TAG
HMT	1112	Food Principles & Basic Preparation	TAG
GEO	1107	Introduction to GIS	No Credits Awarded
CJS	1165	Corrections	TAG

Any questions or concerns or help needed regarding CTAG's and its processes, please contact the ODE's West Region Coordinator at the following email and or phone number: [wendell.meyers@sinclair.edu](mailto:wendell.meyers@sinclair.edu) or 937-512-2198

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