

Sinclair/Tech Prep College Credit Options for AY 2016-17

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		Subject	Semester Hours
ALH	1130	*Basic Life Support Training	1
ALH	1132	*American Heart Association Heartsaver/First Aid	1
BIO	1107/1108	<i>Human Biology with Lab</i>	3
BIO	1111/1117	<i>General Biology I with Lab</i>	4
BIS	1100	<i>Introduction to Keyboarding</i>	2
BIS	1120	<i>Introduction to Software Applications</i>	3
BIS	1200	<i>Keyboarding & Document Formatting I</i>	2
BIS	1400	<i>Customer Service</i>	3
FIN	2450	<i>Personal Finance</i>	3
MAN	1107	<i>Foundations of Business</i>	3
MAT	1110	<i>Math for Technologists</i>	3
MAT	1120	<i>Business Mathematics</i>	3
MAT	1130	<i>Allied Health Mathematics</i>	3
MAT	1270	<i>Beginning Algebra</i>	3
MAT	1370	<i>Intermediate Algebra</i>	5
MET	1131	<i>PC Applications for Engineering Technology</i>	1
MRK	2225	<i>Sales Fundamentals</i>	3

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Agricultural & Environmental Systems

Course		Subject	Semester Hours
Proficiency Credits			
ACC	1100	<i>Small Business Accounting</i>	3
ALH	1101	<i>Introduction to Healthcare Delivery</i>	2
EGV	1501	<i>Environmental Assessment & Analysis</i>	3
FST	1555	Hazardous Waste Operations & Emergency Response (HAZWOPER)	3
Articulated Credits			
AUT	1100	Basic Automotive Systems (A1 Industrial Power Technology ONLY)	2
VET	1100	Introduction to Animal Sciences (A2 Animal Science and Management ONLY)	1
CTAG (Credit available ONLY for those schools with CTAG approved programs/courses)			
CAT	1431	*OSHA Construction Standards 10 Hour	1
CAT	2431	*OSHA Construction Standards 30 Hour	2
HIM	1101	Medical Terminology (A2 Animal Science and Management ONLY)	2

Arts & Communication

Course		Subject	Semester Hours
Proficiency Credits			
BIS	1250	<i>Specialized Business Software Application</i>	1
CIS	1350	<i>Web Site Development with HTML & CSS</i>	3
THE	1106/1107	Stagecraft/Lab for Stagecraft	3
THE	1194	Applied Theatre Technology I (TAG)	1
Proficiency Credit Granted via Portfolio Review			
VIS	1100	Design Basics	4
VIS	1110	Design Drawing	4
VIS	1140	Design Processes I	4
VIS	1250	Print Production	4

Business & Administrative Services/Finance/Marketing

Course		Subject	Semester Hours
Proficiency Credits			
ACC	1100	<i>Small Business Accounting</i>	3
ACC	1210	<i>Introduction to Financial Accounting (TAG)</i>	3
MAN	1110	<i>International Business</i>	3
MAN	2110	<i>Introduction to Project Management</i>	3
MAN	2150	<i>Management & Organizational Behavior</i>	3
MAN	2159	<i>Supply Chain Management Concepts & Applications</i>	3
MRK	2100	<i>Foundations of Marketing</i>	3

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Construction Technologies

Course		Subject	Semester Hours
Articulated Credits			
CAT	1701	*Construction Craft Skills/Concrete	6
CAT	1741	*Residential Electrical Systems	3
CAT	1810	*Construction Techniques I (NCCER Core)	3
CAT	1820	*Construction Techniques II (NCCER Carpentry Level 1)	3
EET	1181	*Electrical Construction I (NCCER Electrical Level 1)	3
HVA	1201	*Basic HVAC Systems with Cooling (EPA card)	3
CTAG (Credit available ONLY for those schools with CTAG approved programs/courses)			
CAT	1141	Architectural Blueprint Reading	2
CAT	1201	Construction Methods & Materials	2
CAT	1431	*OSHA Construction Standards 10 hour	1
CAT	2431	*OSHA Construction Standards 30 hour	2

Education & Training

Course		Subject	Semester Hours
Articulated/Proficiency Credits			
[†] ECE	1100	<i>Introduction to Early Childhood Education</i>	3
[†] ECE	1101	<i>Introductory Child Development (TAG)</i>	3
EDU	1103	<i>Educational Technology (Proficiency ONLY)</i>	3
[†] ECE teachers must have Learning Outcomes on file with Nancy Sikora for students to qualify for articulated award credit for ECE 1100 and ECE 1101. In order for students to receive proficiency credit for ECE 1100 and ECE 1101, Tech Prep teachers must have Sinclair adjunct faculty status, and students must meet course requirements as outlined by the ECE Department.			
CTAG (Credit available ONLY for those schools with CTAG approved programs/courses)			
EDU	1100	Introduction to Education	3
HMT	1107	Sanitation & Safety (w/ServSafe®)	2

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Engineering & Science Technologies – Engineering Science/Engineering & Design/PLTW

Course		Subject	Semester Hours
Proficiency Credits			
BTN	1110	Biotechnology & Bioethics (Medical Intervention – MI)	3
CAT	1161	Introduction to Civil Engineering & Architectural Technology (CEA)	2
CAT	1201	Construction Methods & Materials (TAG)	4
EET	1198	Digital Technology (DT)	2
EGR	1128	Robotics in Computer Integrated Manufacturing (CIM) Systems	3
MET	1231	<i>Introduction to Drafting & Design Using Inventor</i> (formerly MET 1101 and MET 1201)	4
MET	1241	Principles of Engineering (POE)	2
MET	1281	Engineering Design & Development (EDD)	2
Please note: Credit for PLTW courses is processed via a PLTW form only.			
Articulated Credits			
CAM	1107	Principles of Manufacturing	3
CAM	1109	Fundamentals of Tooling & Machining	3
CAM	1141	Shop Floor Calculations I	3
CTAG (Credit available ONLY for those schools with CTAG approved programs/courses)			
CAT	1141	Architectural Blueprint Reading	2
EET	1131	Digital Electronics	5
MET	1371	CAD Concepts using AutoCAD	3

Engineering & Science Technologies – Engineering Technology

Course		Subject	Semester Hours
Proficiency Credits			
CAT	1201	Construction Methods & Materials (TAG)	4
MET	1231	<i>Introduction to Drafting & Design Using Inventor</i> (formerly MET 1101 and MET 1201)	4
OPT	1198	Excel for Engineering Technology (Master credit capture form)	1
Articulated Credits			
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
CTAG (Credit available ONLY for those schools with CTAG approved programs/courses)			
CAT	1141	Architectural Blueprint Reading	2
EET	1131	Digital Electronics	5
MET	1371	CAD Concepts using AutoCAD	3

Government & Public Administration

No college credits are offered at this time.

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Health Science – Medical Bioscience/Medical Bioscience (PLTW)

Course		Subject	Semester Hours
Proficiency Credits			
<i>CJS</i>	<i>2205</i>	<i>Introduction to Criminal Investigation & Forensic Science</i>	3
<i>BIO</i>	<i>1107/1108</i>	<i>Human Biology (Human Body Systems - HBS) - PLTW only</i>	3
BTN	1110	Biotechnology & Bioethics (Medical Intervention – MI) - PLTW only	3
Please note: Credit for PLTW courses is processed via a PLTW form only.			
Articulated Credits			
[†] BTN	1110	Biotechnology & Bioethics	3
[†] BTN	1120	Laboratory Safety & Regulatory Compliance	2
[†] Non-PLTW Tech Prep teachers may also elect to have students complete proficiency tests with Sinclair Biology instructor Susan Luken for BTN credit.			
CTAG (Credit available ONLY for those schools with CTAG approved programs/courses)			
HIM	1101	Medical Terminology	2

Health Science – Allied Health and Nursing

Course		Subject	Semester Hours
Proficiency Credits			
<i>ALH</i>	<i>1101</i>	<i>Introduction to Healthcare Delivery</i>	2
Articulated Credits			
ALH	1120	*Nurse Aide Training	4
CTAG (Credit available ONLY for those schools with CTAG approved programs/courses)			
HIM	1101	Medical Terminology	2

Health Science – Dental Assisting

Course		Subject	Semester Hours
Proficiency Credits			
<i>ALH</i>	<i>1101</i>	<i>Introduction to Healthcare Delivery</i>	2
<i>DEH</i>	<i>1102</i>	<i>Introduction to Dental Hygiene</i>	1
CTAG (Credit available ONLY for those schools with CTAG approved programs/courses)			
HIM	1101	Medical Terminology	2

Health Science – Exercise Science and Sports Medicine

Course		Subject	Semester Hours
Proficiency Credits			
<i>ALH</i>	<i>1101</i>	<i>Introduction to Healthcare Delivery</i>	2
CTAG (Credit available ONLY for those schools with CTAG approved programs/courses)			
ENS	1116	Introduction to Exercise Science & Health Promotion	3
ENS	1118	Lifetime Physical Fitness & Wellness	3
HIM	1101	Medical Terminology	2

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Hospitality and Tourism

Course		Subject	Semester Hours
Proficiency Credits			
HMT	1112	Food Principles & Basic Preparation	4
HMT	1126	Baking I & Restaurant Desserts	4
CTAG (Credit available ONLY for those schools with CTAG approved programs/courses)			
HMT	1101	Basic Culinary Skills	3
HMT	1105	Introduction to the Hospitality & Tourism Industry (w/Pro-Start®)	2
HMT	1107	Sanitation & Safety (w/ServSafe®)	2
HMT	2292	Culinary Arts Option Cooperative Work Experience (w/ProStart® & 400 documented work hours)	2

Human Services

Course		Subject	Semester Hours
Proficiency Credits			
ACC	1100	<i>Small Business Accounting</i>	3

Information Technology

Course		Subject	Semester Hours
Proficiency Credits			
CIS	1111	<i>Introduction to Problem Solving & Computer Programming</i>	3
CIS	1350	<i>Web Site Development with HTML & CSS</i>	3
CIS	2165	Database Management	3
GEO	1107	<i>Introduction to Geographic Information Systems (GIS)</i>	4
Articulated Credits			
CIS	2550	*Linux Operating Systems	3
CIS	2640	*Network Security	3
CTAG (Credit available ONLY for those schools with CTAG approved programs/courses)			
CIS	1107	Introduction to Operating Systems	3
CIS	1130	Network Fundamentals	3
CIS	1411	Introduction to Networks	3
CIS	2416	Routing & Switching Essentials	4
CIS	2421	Scaling Networks	4
CIS	2426	Connecting Networks	4
CIS	2711	Enterprise Desktop Support Technician	3

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Information Technology – Interactive Media (Only)

Course		Subject	Semester Hours
Proficiency Credits			
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

Course		Subject	Semester Hours
Proficiency Credits			
<i>CJS</i>	<i>1105</i>	<i>Criminal Law</i>	3
<i>CJS</i>	<i>1125</i>	<i>Policing</i>	3
<i>CJS</i>	<i>1155</i>	<i>Homeland Security Issues & Administration</i>	3
<i>CJS</i>	<i>1165</i>	<i>Corrections</i>	3
<i>CJS</i>	<i>2130</i>	<i>Terrorism & Counter-Terrorism</i>	3
<i>CJS</i>	<i>2205</i>	<i>Introduction to Criminal Investigation & Forensic Science</i>	3
CTAG (Credit available ONLY for those schools with CTAG approved programs/courses)			
CJS	1101	Introduction to Criminal Justice Science	3
EMS	1100	Emergency Medical Responder Lecture & Lab *w/active State of Ohio First Responder Certification	2
EMS	1150	Emergency Medical Technician: Lecture *w/active State of Ohio First Responder Certification	5
EMS	1155	Laboratory for Emergency Medical Technician *w/active State of Ohio First Responder Certification	2
FST	1102	Firefighter I *w/active State of Ohio Firefighter I Cert	7
FST	1104	Firefighter II *w/active State of Ohio Firefighter II Cert	12

Manufacturing Technologies

Course		Subject	Semester Hours
Proficiency Credits			
<i>MET</i>	<i>1231</i>	<i>Introduction to Drafting & Design Using Inventor (formerly MET 1101 and MET 1201)</i>	4
OPT	1100	Tooling and Machining Metrology	2
OPT	1198	Excel for Engineering Technology (Master credit capture form)	1
Articulated Credits			
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
CTAG (Credit available ONLY for those schools with CTAG approved programs/courses)			
MET	1371	CAD Concepts using AutoCAD	3
OPT	2205	Manufacturing Processes	3

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Transportation Systems

Course		Subject	Semester Hours
Articulated Credits			
AUT	1100	Basic Automotive Systems	2
AUT	1108	Automotive Engine Systems	4
AUT	1114	Automotive Electrical/Electronic Systems I	3
AUT	1116	Automotive Steering and Suspension Systems	3
AUT	1165	Automotive Brake Systems	3
CTAG (Credit available ONLY for those schools with CTAG approved programs/courses)			
AUT	1102	Introduction to Automotive Service	2

Transportation Systems - Aviation

Course		Subject	Semester Hours
Proficiency Credits			
From the General Certificate delivered by Sinclair adjunct instructors (Master credit capture form)			
AVT	1116	*Regulations for Maintenance	3
AVT	1118	*Weight & Balance	3
AVT	1213	*Corrosion	3
AVT	2237	*Aircraft Inspections	3
From the Airframe Certificate delivered by Sinclair adjunct instructors (Master credit capture form)			
AVT	1136	*Sheet Metal	4
AVT	1218	*Utility Systems	6
From the Powerplant Certificate delivered by Sinclair adjunct instructors (Master credit capture form)			
AVT	2129	*Propellers	4
AVT	2219	*Turbine Engines	4
Articulated Credits			
From the Airframe Certificate delivered by Sinclair adjunct instructors (Master credit capture form)			
AVT	1105	Orientation to Aviation	2
AVT	1116	Regulations for Maintenance	3
AVT	2125	Developments in Aviation	2
CTAG (Credit available ONLY for those schools with CTAG approved programs/courses)			
AVT	1110	Private Pilot Ground School	3
AVT	2146	Introduction to Airline Operations	3

Courses/Credit Options Removed

CAT	1830	*Construction Techniques III
CAT	1840	*Construction Techniques IV
CIS	1140	Information Systems Analysis & Design
LAW	1101	Business Law (TAG)
MET	1101	Introduction to Engineering Drafting
MET	1201	Introduction to Engineering Design Using Inventor (IED)
These 2 courses were combined to form MET 1231		

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