



COLLEGE: Sinclair College

PROGRAM OF STUDY PATHWAY TEMPLATES 2019-2020 *

ODE CAREER FIELD: Engineering & Science Technologies

ODE PATHWAY: Engineering & Design

SINCLAIR PROGRAM: Industrial Maintenance Technician

27-28 Credit Hours - Short Term Certificate

INDMT.S.STC

HIGH SCHOOL	Freshman	English I (1)	Algebra & Geometry or Algebra I (1)	Physical Science (1)	Social Studies (1)	Health (.5) Physical Education (.5)	Career Field Exploration	Fine Arts/Foreign Language/Business Elective (1)
	Sophomore	English II (1)	Geometry or Algebra II (1)	Biology or Life Science (1)	US History (1)	Technology Elective (1)	Career Pathway Foundation	Fine Arts/Foreign Language/Business Elective (1)
	Junior	English III (1)	Algebra II / Adv Algebra II & Trigonometry (1)	Advanced study in Life or Physical Science OR Earth/Space Science (1)	US Govt (.5) Economics and Financial Literacy Social Studies Elective (.5)	Career Tech Engineering & Science Technologies (1)	Career Tech Engineering & Science Technologies (1)	Career Tech Engineering & Science Technologies (1)
	Senior	English IV (1)	College Math or Calculus (1)	Physics (1)	Psychology, Sociology or Social Studies Elective (1)	Career Tech Engineering & Science Technologies (1)	Career Tech Engineering & Science Technologies (1)	Career Tech Engineering & Science Technologies (1)
Take ACT, SAT, or required Sinclair placement test. Visit Sinclair academic advising. Earn high school diploma. Complete pathway as designed.								
COLLEGE	1st Semester	■ EET 1120 Introduction to D.C & A.C. Circuits (2)	EGR 1128 Robotics in Computer Integrated Manufacturing (CIM) Systems (3)	EGR 1106 Basic Mechanical & Electrical Skills				
	2nd Semester	■ EET 1139 Electrical Machinery (3)	EET 1166 Industrial Machine Writing (2)	Basic Mechanical & Electrical Skills (2)				
	3rd Semester	EGR 1144 Sensors & Vision Systems (4)	■ EET 2281 Programmable Logic Controllers (3)	EGR 2231 Troubleshooting of Automated Systems (3)	MET 1101 Introduction to Engineering Drafting (2) OR	■ MET 1371 CAD Concepts Using AutoCAD (3)		
● = Courses guaranteed to transfer to Ohio's public institutions of higher education								
Indicates eligible college course opportunities via Proficiency credit or Articulated Award credit.								
■ Indicates Career-Technical Assurance Guides (CTAG)-approved transfer credit. The high school or career center is responsible for sending the proper documentation, along with the Verification of Course/Program Completion form to the college in order for credits to be posted on a student's transcript.								
Required Courses (credit hours)								
Recommended Elective Courses								

revised: 7/22/2019

Please note: This template does not provide department approved course sequences for students to follow. That is, the courses may be presented out of order. It is best for students to consult with an academic advisor in order to plan a semester by semester course schedule in order to meet the requirements for their certificates and degree programs.