



**PROGRAM OF STUDY PATHWAY TEMPLATES 2017-2018 \***

**COLLEGE:** Sinclair College

**ODE CAREER FIELD:** Engineering & Science Technologies

**ODE PATHWAY:** Engineering & Design

**SINCLAIR PROGRAM:** Industrial Maintenance Technician

29 Credit Hours - Short Term Certificate

INDMT.S.STC

<b>HIGH SCHOOL</b>	<b>Freshman</b>	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)
	<b>Sophomore</b>	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)
	<b>Junior</b>	English III (1)	Algebra II / Adv Algebra II & Trigonometry (1)	Advanced study in Life or Physical Science <b>OR</b> 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)
	<b>Senior</b>	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.

<b>COLLEGE</b>	<b>1st Semester</b>	EET 1120 Introduction to D.C & A.C. Circuits (2)	EGR 1128 Robotics in Computer Integrated Manufacturing (CIM) Systems (3)	EGR 1100 Fundamental Mechanical & Electrical Skills (3)				
	<b>2nd Semester</b>	EET 1139 Electrical Machinery (3)	EET 1166 Industrial Machine Writing (2)	EGR 1217 Fluid Power & Control (2)	EGR 1106 Basic Mechanical & Electrical Skills (2)			
	<b>3rd Semester</b>	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)			

● = Courses guaranteed to transfer to Ohio's public institutions of higher education

■ 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: 10/7/2017

*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.*