

COLLEGE: Sinclair College

ODE CAREER FIELD: Engineering & Science Technologies

ODE PATHWAY: Engineering Systems

SINCLAIR PROGRAM: Mechanical Engineering Technology

64-65 Credit Hours - Associate of Applied Science

MEGT.S.AAS

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	• ENG 1101 English Composition I (3)	• MAT 1470 College Algebra (3) AND • MAT 1570 Trigonometry (3) OR • MAT 1580 Precalculus (5)	MET 1111 Preparatory Math for Engineering Technology (3)	MET 1161 Software Tools for Engineering Technology (1)	MET 1231 Introduction to Drafting & Design using Inventor (4)	MET 1241 Principles of Engineering (2)	
	2nd Semester	• COM 2211 Effective Public Speaking (3)	MET 1301 SolidWorks Basics (3)	• MET 2151 Material Science (3)	• MET 2201 Statics (3)	• PHY 1141 College Physics I (4)		
	3rd Semester	CAM 1109 Fundamentals of Tooling & Machining (3)	Mechanical Engineering Technology Elective (3)	MET 1281 Engineering Design & Development (2)	MET 2101 Thermodynamics (3)	• MET 2251 Strength of Materials (3)		
	4th Semester	• MET 2301 Fluid Mechanics (3)	MET 2351 Dynamics (3)	MET 2401 Machine Design (3)	MET 2711 Ethics for Engineering Technology Professionals (1)	MET 2780 Mechanical Engineering Technology Capstone (3)	• OTM Social & Behavioral Sciences Elective (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: 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.