

**ODE CAREER FIELD:** Agricultural & Environmental Systems

**ODE PATHWAY:** Natural Resource Management

**SINCLAIR PROGRAM:** Energy Management Technology

60-61 Credit Hours - Associate of Technical Study

EGMT.S.ATS

<b>HIGH SCHOOL</b>	<b>Freshman</b>	English I (1)	Algebra & Geometry or Algebra I (1)	Physical Science (1)	Social Studies (1)	Health (.5) P E (.5)	Career Field Exploration	Arts/ Humanities Elective
	<b>Sophomore</b>	English II (1)	Geometry or Algebra II (1)	Biology or Life Science (1)	US History (1)	Technology: Word, PowerPoint, & Excel (.5) Art (.5)	Career Pathway Foundation	Elective (1)
	<b>Junior</b>	English III (1)	Algebra II / Advanced Algebra II & Trigonometry (1)	Physics I (1)	US Government (.5) Economics and Financial Literacy Social Studies Elective (.5)	Career Tech Agricultural & Environmental Systems (1)	Career Tech Agricultural & Environmental Systems (1)	Career Tech Agricultural & Environmental Systems (1)
	<b>Senior</b>	English IV (1)	College Math or Calculus (1)	Senior Science or Chemistry (1)	Psychology, Sociology or Social Studies Elective (1)	Career Tech Agricultural & Environmental Systems (1)	Career Tech Agricultural & Environmental Systems (1)	Career Tech Agricultural & Environmental Systems (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>	■ CAT 1111 Mechanical Systems Blueprint Reading (1)	ATS Concentration Elective (4)	● ENG 1101 English Composition I (3)	■ HVA 1201 Basic HVAC Systems with Cooling (3)	● MAT 1470 College Algebra (3) AND ● MAT 1570 Trigonometry (3)	OR	● MAT 1580 Precalculus (5)	
	<b>2nd Semester</b>	● COM 2211 Effective Public Speaking (3)	■ EET 1120 Introduction to D.C. and A.C. Circuits (2)	ATS Concentration Elective (4)	EGV 1301 Architectural Energy Analysis (2)	■ HVA 1221 Heating Systems (3)			
	<b>3rd Semester</b>	ATS Concentration Elective (5)	EGV 2351 LEED Green Associate Exam Preparation (2)	■ HVA 1261 HVAC Loads & Distribution for Small Buildings (4)	● PHY 1141 College Physics I (4)	MET 1131 PC Applications for Engineering Technology (1)			
	<b>4th Semester</b>	EGV 2780 Energy Management Technology Capstone (4)	HVA 1351 Building Psychometrics & Load Calculations (3)	MET 2711 Ethics for Engineering Technology Professionals (1)	● OTM Arts & Humanities Elective (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: 7/26/2019

**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.**