



MIAMI VALLEY
TECHPREP
CONSORTIUM



SINCLAIR
COLLEGE

COLLEGE: Sinclair College

PROGRAM OF STUDY PATHWAY TEMPLATES 2019–2020

ODE CAREER FIELD: Agricultural & Environmental Systems

ODE PATHWAY: Natural Resource Management

SINCLAIR PROGRAM: Energy Technology

31 Credit Hours - One-Year Certificate

ENRGY.S.CRT

HIGH SCHOOL	Freshman	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
	Sophomore	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)
	Junior	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)
	Senior	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.								
COLLEGE	1st Semester	MET 1131 Personal Computer Applications for Engineering Technology (1)	■ HVA 1201 Basic HVAC Systems with Cooling (3)	■ EGV 1101 Alternate & Renewable Energy Sources (3)	■ CAT 1111 Mechanical Systems Blueprint Reading (1)	■ HVA 1221 Heating Systems (3)	● PHY 1141 College Physics (4)	
	2nd Semester	■ HVA 1261 HVAC Loads & Distribution for Small Buildings (4)	EGV 1401 Weatherization & Building Performance Training (3)	EGV 1251 Introduction to Energy Management Principles (3)	EGV 1301 Architectural Energy Analysis (2)	CAT 1601 Building Electric & Controls (4)		
● = 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.