



MIAMI VALLEY  
**TECHPREP**  
CONSORTIUM



**SINCLAIR**  
COLLEGE

COLLEGE: Sinclair College

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

**ODE CAREER FIELD:** Construction Technologies (includes Architecture)

**ODE PATHWAY:** Construction Technologies

**SINCLAIR PROGRAM:** Civil Engineering Technology

60-61 Credit Hours - Associate of Applied Science

CEGT.S.AAS

<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 Construction Technologies (1)	Career Tech Construction Technologies (1)	Career Tech Construction Technologies (1)
	<b>Senior</b>	English IV (1)	College Math or Calculus (1)	Physics (1)	Psychology, Sociology or Social Studies Elective (1)	Career Tech Construction Technologies (1)	Career Tech Construction Technologies (1)	Career Tech Construction 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>	CAT 1301 Introduction to Civil Construction CAD (3)	• OTM Social & Behavioral Sciences Elective	• ENG 1101 English Composition I (3)	• MAT 1470 College Algebra (3) AND • MAT 1570 Trigonometry (3)	<b>OR</b> • MAT 1580 Precalculus (5)	MET 1131 PC Applications for Engineering Technology (1)	
	<b>2nd Semester</b>	CAT 1211 Construction Materials Testing (2)	CAT 1401 Construction Estimating (3)	• CAT 1501 Fundamentals of Surveying & Mapping (3)	• COM 2211 Effective Public Speaking (3)	MET 1161 Advanced Analytical Applications for Engineering Tech. (1)	• PHY 1141 College Physics I (4)	
	<b>3rd Semester</b>	CAT 2700 Civil Architectural Technology Internship (2)						
	<b>4th Semester</b>	CAT 2401 Engineering Technology Project Management (3)	CAT 2501 GPS & GIS for Engineering Technology Professionals (2)	CAT 2531 Advanced Surveying & Mapping (3)	• MET 2201 Statics (3)	CAT 2301 Land Development Design in Civil 3D (3)		
	<b>5th Semester</b>	CAT 2421 Soil Mechanics (3)	CAT 2561 Route Surveying with Construction Applications (2)	CAT 2781 Civil Engineering Technology Capstone (4)	• MET 2251 Strength of Materials (3)	MET 2711 Ethics for Engineering Technology Professionals (1)		

• = 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: 11/2/2017

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.