



**PROGRAM OF STUDY PATHWAY TEMPLATES 2018-2019 \***

**COLLEGE: Sinclair College**

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

**ODE PATHWAY:** Construction Design & Management

**SINCLAIR PROGRAM:** Surveying

36 Credit Hours - One-Year Certificate

SUR.S.CRT

<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)	• CAT 1501 Fundamentals of Surveying & Mapping (3)	• MAT 1580 Precalculus (5)	MET 1131 PC Applications for Engineering Technology (1)			
	<b>2nd Semester</b>	CAT 2561 Route Surveying (2)	• COM 2211 Effective Public Speaking (3)	• ENG 1101 English Composition I (3)	MET 2711 Ethics for Engineering Technology Professionals (1)	• OTM Social & Behavioral Sciences Elective (3)		
	<b>3rd Semester</b>	■ CAT 2431 OSHA Construction Standards (2)	CAT 2501 GIS & CPS for Engineering Technology Professionals (2)	CAT 2531 Advanced Surveying & Mapping (4)	CAT 2571 NSPS Certified Survey Technician Preparation (1)	CAT 2581 Legal Principles for Surveyors (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: 7/26/2018

**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.**