



PROGRAM OF STUDY PATHWAY TEMPLATES 2011–2012  
 — CIVIL ENGINEERING TECHNOLOGY \*

COLLEGE: **Sinclair Community College**

CAREER FIELD: **Engineering & Science Technologies**

HIGH SCHOOL(S): **Bellbrook, Ponitz CTC, Greene CCC, Butler Tech,**

PATHWAY: **Construction: Civil Engineering & Architecture**



**Stebbins, Centerville, Kettering Fairmont, Oakwood**

PROGRAM: **Civil Engineering Technology**

**Miami Valley CTC, Warren CCC, Wayne**

**109 Credit Hours - Associate of Applied Arts**

HIGH SCHOOL	<b>Freshman</b>	English I (1)	Integrated Algebra & Geometry or Algebra I (1)	Physical Science (1)	Social Studies (1)	Health (.5) P E (.5)	Career Exploration	Elective (1)
	<b>Sophomore</b>	English II (1)	Geometry or Algebra II (1)	Biology (1)	American History (1)	Introduction to Engineering Design (1)	P E (.5)	Elective (1)
	<b>Junior</b>	English III (1)	Algebra II or Adv Algebra & Trigonometry (1)	Conceptual Physics or Physics I (1)	American Govt (.5) Social Studies Elective (.5)	College Tech Prep Construction Tech (1)	College Tech Prep Construction Tech (1)	Technology: Word, PowerPoint, Excel (.5) Art (.5)
	<b>Senior</b>	<a href="#">English IV (1)</a>	<a href="#">Integrated College Math or Calculus (1)</a>	Chemistry (1)	Elective (1)	College Tech Prep Construction Tech (1)	College Tech Prep Construction Tech (1)	Elective (1)

**Take Accuplacer (reading, math, and writing). Visit Sinclair academic advising. Earn high school diploma. Complete pathway as designed.**

COLLEGE	<b>1st Quarter</b>	■ CAT 101 (3) Architectural Drafting	MAT 131 (5) Technical Mathematics I	CAT 121 (2) Civil Construction Blueprints & Draft	CAT 110 (3) Intro to Civil & Architectural Tech	■ ETD 198 (2) PC Apps in Engineering	■ ETD 199 (2) Intro to CAD Concepts	SCC 101 (2) Student Success Experience
	<b>2nd Quarter</b>	● COM 206 (3) Interpersonal Communication	● MAT 132 (5) Technical Math II	CAT 106 (3) Commercial Constr Methods & Materials	■ CAT 105 (4) Residential Const Methods&Materials	CAT 131 (3) Properties of Construction Materials		
	<b>3rd Quarter</b>	CAT 201 (3) Intro to Revit Architecture	CAT 123 (4) Basic Construction Surveying	● PHY 131 (4) Technical Physics I	ETD 261 (2) Adv Analytical Tools for Engr Tech	CAT 216 (4) Construction Estimating	◆ CAT 145 (1) Intro to OSHA	
	<b>4th Quarter</b>	● ENG 111 (3) English Composition I	CAT 255 (4) Engr Tech Project Management	CAT 227 (3) Intro to GIS & GPS	CAT 221 (3) Topographic Surveying & Geomatics	ETD 213 (4) Statics		
	<b>5th Quarter</b>	● ENG112 (3) English Composition II	CAT 223 (4) Subdivision Design	ETD 121 (2) Ethics for Engineering Technology Professionals	● Social Science Elective (3)	ETD 222 (4) Strength of Materials	OPT 101 (3) Intro to Operations	
	<b>6th Quarter</b>	● Arts & Humanities Elective (3)	CAT 245 (4) Soil Mechanics	CAT 229 (3) Advanced Construction Surveying	CAT 278 (4) Civil Architectural Capstone	CAT 270 (3) Civil Architectural Internship		



**Sinclair converts to semesters in 2012-2013. Visit [www.sinclair.edu/semesters](http://www.sinclair.edu/semesters) for new course names and credit hours.**

**Credit-Based Transition Programs, such as dual enrollment, articulated courses 2+2 (+2)**

◆ = high school to college ● = community college to 4 year institution ■ = opportunity to test out

**Required Courses (credit hours)**

**Recommended Elective Courses**