



PROGRAM OF STUDY PATHWAY TEMPLATES 2011–2012  
 – ARCHITECTURAL TECHNOLOGY \*

COLLEGE: **Sinclair Community College**

CAREER FIELD: **Engineering & Science Technologies**

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

PATHWAY: **Civil Engineering & Architecture**



**Kettering Fairmont, Stebbins, Butler Tech, Oakwood,**

PROGRAM: **Architectural Technology**

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

**110 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)<br>P E (.5)                      | Career Exploration                           | Elective (1)                                  |
|             | <b>Sophomore</b> | English II (1)        | Geometry or Algebra II (1)                     | Biology (1)          | American History (1)                         | Intro to Engineering Design (1)              | P E (.5)                                     | Elective (1)                                  |
|             | <b>Junior</b>    | English III (1)       | Algebra II / Adv Algebra II & Trigonometry (1) | Physics I (1)        | Am Govt (.5)<br>Social Studies Elective (.5) | College Tech Prep Engineering Technology (1) | College Tech Prep Engineering Technology (1) | Tech: Word, PowerPoint, & Excel (.5) Art (.5) |
|             | <b>Senior</b>    | <u>English IV (1)</u> | <u>Integrated College Math or Calculus (1)</u> | Chemistry (1)        | Elective (1)                                 | College Tech Prep Engineering Technology (1) | College Tech Prep Engineering Technology (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> | SCC 101 (2)<br>Student Success Experience     | • MAT 131 (5)<br>Technical Math I             | ■ CAT 101 (3)<br>Architectural Drafting            | CAT 121 (2)<br>Civil Constr Blueprint & Draft        | ■ ETD 198 (2)<br>PC Apps for Engineering Technology   | CAT 110 (3)<br>Intro to Civil & Architectural Tech | ■ ETD 199 (2)<br>Intro to Computer Aided Drafting |
|         | <b>2nd Quarter</b> | CAT 131 (3)<br>Properties of Constr Materials | • MAT 132 (5)<br>Technical Math II            | ■ CAT 102 (3)<br>Architectural Detail Drafting     | CAT 105 (4)<br>Residential Const Methods & Materials | CAT 106 (3)<br>Commercial Constr Methods & Materials  |  |   |
|         | <b>3rd Quarter</b> | • ENG 111 (3)<br>English Comp I               | PHY 131 (4)<br>Technical Physics I            | • COM 206 (3)<br>Interpersonal Communication       | CAT 216 (4)<br>Construction Estimating               | CAT 201 (3)<br>Intro to Revit Architecture            | ♦ CAT 145 (1)<br>Intro to OSHA                     |   |
|         | <b>4th Quarter</b> | • ENG112 (3)<br>English Comp II               | ETD 213 (4)<br>Statics                        | CAT 255 (4)<br>Engineering Tech Project Management | CAT 207 (3)<br>Architectural Building Codes          | CAT 240 (4)<br>Residential Design with CAD            |  |   |
|         | <b>5th Quarter</b> | • Social Science Elective (3)                 | ETD 222 (4)<br>Strength of Materials          | OPT 101 (3)<br>Intro to Operations                 | CAT 241 (4)<br>Commercial Design with CAD            | CAT 212 (4)<br>Mechanical System Design & Drawing CAD |  |   |
|         | <b>6th Quarter</b> | • Arts & Humanities Elective (3)              | CAT 270 (3)<br>Civil Architectural Internship | CAT 260 (3)<br>Architectural Energy Analysis       | CAT 245 (4)<br>Soil Mechanics                        | CAT 278 (4)<br>Civil Architectural Capstone           | ETD 121 (2)<br>Ethics for Engineering Tech         |   |

\* 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**