



PROGRAM OF STUDY PATHWAY TEMPLATES 2011–2012
 — University Transfer - Engineering *

COLLEGE: **Sinclair Community College**

CAREER FIELD: **Engineering & Science**

HIGH SCHOOL(S): **Centerville, Butler Tech, Pontiz CTC**

PATHWAY: **Engineering & Science**



Greenville, MVCTC, Stebbins, Greene CCC

PROGRAM: **University Transfer - Engineering**

Kettering Fairmont, Warren CCC

90 - 110 Credit Hours - Associate of Science Degree

HIGH SCHOOL	Freshman	English I (1)	Integrated Algebra & Geometry or Algebra I (1)	Physical Science (1)	Social Studies (1)	Health (.5) P E (.5)	Career Exploration integrated with English 9	Elective (1)
	Sophomore	English II (1)	Geometry or Algebra II (1)	Biology (1)	American History (1)	Introduction to Engineering Design (1)	P E (.5)	Elective (1)
	Junior	English III (1)	Algebra II / Adv. Algebra II & Trigonometry (1)	Physics I (1)	Am. Govt (.5) Social Studies Elective (.5)	College Tech Prep Engineering Technology (1)	College Tech Prep Engineering Technology (1)	ACT College Readiness Std. English - 18
	Senior	<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)	Math - 22 (Calculus - 27)

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

COLLEGE	1st Quarter	English Comp I ENG 111 (3)	Calculus & Analytic Geometry I MAT 201 (5)	Scientific Thought & Method SME 110 (4)	Intro Math for Engineering App. SME 101 (5)			
	2nd Quarter	English Comp II ENG 112 (3)	Calculus & Analytic Geometry II MAT 202 (5)	General Physics I PHY201/207 (6)	General Chemistry I CHE 151/157			
	3rd Quarter	English Comp III ENG 113 (3)	Calculus & Analytic Geometry III MAT 203 (5)	General Physics II PHY 202/208 (6)	General Chemistry II CHE 152/158			
	4th Quarter	Effective Speaking I COM 211 (3)	Calculus & Analytic Geometry IV MAT 204 (5)	General Physics III PHY 203/209 (6)	Social Science Elective (3)	Social Science Elective (3)		
	5th Quarter	Statics - Calculus Based ETD 211 (5)	Differential Equations MAT 215 (5)	Engineering Technical Elective (3)	Arts & Humanities Elective (3)			
	6th Quarter	Social Science Elective (3)	Engineering Technical Elective (3)	Arts & Humanities Elective (3)	Dynamics - Calculus Based ETD 212 (5)	Arts & Humanities Elective (3)		



Sinclair converts to semesters in 2012-2013. Visit www.sinclair.edu/semesters for new course names and credit hours.

Credit-Based Transition Programs, such as dual enrollment, articulated courses 2+2 (+2)	
● = community college to 4 year institution	
Required Courses (credit hours)	
Recommended Elective Courses	Ohio's non-remediation guidelines