



PROGRAM OF STUDY PATHWAY TEMPLATES 2011-2012
 — UNIVERSITY TRANSFER - WSU INDUSTRIAL & SYSTEMS ENGINEERING *

COLLEGE: **Sinclair Community College**

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

Kettering Fairmont, Stebbins, Butler Tech,

Miami Valley Career Tech Center

CAREER FIELD: Engineering & Science Technologies

PATHWAY: University Transfer

PROGRAM: University Transfer - WSU Industrial & Systems Engineering

102 Credit Hours - Associate of Science



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	Foreign Language I
	Sophomore	English II (1)	Geometry or Algebra II (1)	Biology (1)	American History (1)	Intro to Engineering Design (1)	P E (.5)	Foreign Language II
	Junior	English III (1)	Algebra II / Adv Algebra II & Trigonometry (1)	Physics I (1)	American Govt (.5) Social Studies Elective (.5)	College Tech Prep Engineering Technology (1)	College Tech Prep Engineering Technology (1)	Foreign Language III
	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)	Foreign Language IV

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

COLLEGE	1st Quarter	ENG 111 (3) English Composition I	MAT 201 (5) Calculus & Analytic Geometry I	EGR 261 (4) Engineering Prob Solving Using "C"	SME 101 (5) Intro Math for Engineering App			
	2nd Quarter	ENG 112 (3) English Composition II	MAT 202 (5) Calculus & Analytic Geometry II	PHY 201 / 207 (6) General Physics I				
	3rd Quarter	ENG 113 (3) English Composition III	MAT 203 (5) Calculus & Analytic Geometry III	PHY 202 / 208 (6) General Physics II	Social Science Elective (3)			
	Recommended Summer Term	Arts & Humanities Elective (3)	CHE 151 / 157 (5) General Chemistry I	PSY 121 (3) General Psychology I				
	4th Quarter	PSY 122 (3) General Psychology II	MAT 204 (5) Calculus & Analytic Geometry IV	PHY 203 / 209 (6) General Physics III				
	5th Quarter	ETD 211 (5) Statics - Calculus Based	MAT 215 (5) Differential Equations	SME 110 (4) Scientific Thought & Method	Arts & Humanities Elective (3)			
	6th Quarter	ETD 212 (5) Dynamics - Calculus Based	MAT 216 (4) Linear Algebra	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)
 ♦ = high school to college ● = community college to 4 year institution ■ = opportunity to test out
Required Courses for a major in WSU College of Engineering & Computer Science (credit hours)
Recommended Elective Courses