



PROGRAM OF STUDY PATHWAY TEMPLATES 2011-2012
 — UNIVERSITY TRANSFER - WSU COMPUTER ENGINEERING *

COLLEGE: **Sinclair Community College**

CAREER FIELD: **Engineering & Science Technologies**

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

PATHWAY: **University Parallel**



**Kettering Fairmont, Stebbins, Butler Tech,
 Miami Valley Career Tech Center**

PROGRAM: **University Transfer - WSU Computer Engineering**

105 Credit Hours - Associate of Applied 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	SME 110 (4) Scientific Thought & Method	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	CHE 151 / 157 General Chemistry 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	Social Science Elective (3)	Arts & Humanities Elective (3)					
	4th Quarter	COM 211 (3) Effective Speaking I	PHY 203 / 209 (6) General Physics III	Social Science Elective (3)	CIS107 (3) Computer Operating Systems or →	CIS 111 (3) Intro to Problem Solving & Comp Programming		
	5th Quarter	Arts & Humanities Elective (3)	MAT 215 (5) Differential Equations	CIS 281 (4) Java Programming I				
	6th Quarter	Social Science Elective (3)	CIS 281 (4) Java Programming II	Arts & Humanities Elective (3)	MAT 216 (4) Elements of Linear Algebra			



**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