

COLLEGE: Sinclair College

ODE CAREER FIELD: Engineering & Science Technologies

ODE PATHWAY: Engineering & Design

SINCLAIR PROGRAM: Mathematics

60-61 Credit Hours - Associate of Science

MATE.S.AS

HIGH SCHOOL	Freshman	English I (1)	Algebra & Geometry or Algebra I (1)	Physical Science (1)	Social Studies (1)	Health (.5) Physical Education (.5)	Career Field Exploration	Fine Arts/Foreign Language/Business Elective (1)
	Sophomore	English II (1)	Geometry or Algebra II (1)	Biology or Life Science (1)	US History (1)	Technology Elective (1)	Career Pathway Foundation	Fine Arts/Foreign Language/Business Elective (1)
	Junior	English III (1)	Algebra II / Adv Algebra II & Trigonometry (1)	Advanced study in Life or Physical Science OR Earth/Space Science (1)	US Govt (.5) Economics and Financial Literacy Social Studies Elective (.5)	Career Tech Engineering & Science Technologies (1)	Career Tech Engineering & Science Technologies (1)	Career Tech Engineering & Science Technologies (1)
	Senior	English IV (1)	College Math or Calculus (1)	Physics (1)	Psychology, Sociology or Social Studies Elective (1)	Career Tech Engineering & Science Technologies (1)	Career Tech Engineering & Science Technologies (1)	Career Tech Engineering & Science Technologies (1)

Take ACT, SAT, or required Sinclair placement test. Visit Sinclair academic advising. Earn high school diploma. Complete pathway as designed.

COLLEGE	1st Semester	• MAT 2270 Calculus & Analytic Geometry I (5)	• ENG 1101 English Composition I (3)	SCC 1101 First Year Experience (1)	EGR 2261 Engineering Problem Solving using "C" & "C++" (4) OR ACC 1210 Introduction to Financial Accounting (3) OR EDU 1105 Individuals with Exceptionalities (3)	• OTM Social & Behavioral Sciences Elective (3)
	2nd Semester	• MAT 2280 Calculus & Analytic Geometry II (5)	ENG 1201 English Composition II (3) OR ACC 1210 Introduction to Financial Accounting (3) OR PSY 2242 Educational Psychology (3)	• OTM Natural & Physical Sciences Elective (5)	• OTM Arts & Humanities Elective (3)	
	3rd Semester	• MAT 2290 Calculus & Analytic Geometry III (5)	• COM 2206 Interpersonal Communication (3) OR • COM 2211 Effective Public Speaking (3) OR • COM 2225 Small Group Communication (3)	• OTM Social & Behavioral Sciences Elective (3)	• OTM Natural & Physical Sciences Elective (5)	Any course in catalog elective (3)
	4th Semester	• MAT 2320 Linear Algebra (3) OR CIS 2217 Java Software Development II (3)	Multicultural Elective (3)	• OTM Arts & Humanities Elective (3)	OR MAT 2310 Elementary Differential Equations (4) OR MAT 2600 Applied Statistics (3)	CIS 1111 Introduction to Problem Solving & Computer Programming (3)

• = Courses guaranteed to transfer to Ohio's public institutions of higher education

Indicates eligible college course opportunities via Proficiency credit or Articulated Award credit.

■ Indicates Career-Technical Assurance Guides (CTAG)-approved transfer credit. The high school or career center is responsible for sending the proper documentation, along with the Verification of Course/Program Completion form to the college in order for credits to be posted on a student's transcript.

Required Courses (credit hours)

Recommended Elective Courses

revised: 7/22/2019

Please note: This template does not provide department approved course sequences for students to follow. That is, the courses may be presented out of order. It is best for students to consult with an academic advisor in order to plan a semester by semester course schedule in order to meet the requirements for their certificates and degree programs.