College Transfer Associate in Engineering (A. E.) Degree

The following are suggested course plans if you would like to complete the Associate in Engineering and transfer to a four-year school for a variety of majors. These plans are based on the program requirements of the 2023-2024 catalog. These are only recommendations — you may take courses in another order upon consultation with your advisor. These plans are based on you starting with college-level math and English courses, starting your program in the fall, and attending full-time. You can also follow these sequences if you attend part-time. Speak with an advisor about your plans and note that recommendations may vary depending on your intended transfer institution.

Course Sequences by Major:

Civil Engineering Transfer Pathway

	Total Credits	69
	Credits	17
EGR 220	Engineering Statics	3.0
MAT 285	Differential Equations	3.0
MAT 280	Linear Algebra	3.0
PHY 252	General Physics II	4.0
MAT 273	Calculus III	4.0
Term V		
	Credits	18
CSC 134	C++ Programming	3.0
CHM 152	General Chemistry II	4.0
or ENG 232	or American Literature II	5.0
ENG 231	American Literature I	3.0
PHY 251	General Physics I	4.0
MAT 272	Calculus II	4 0
Term IV	Credits	4
MAT 271		4.0
	Credits	17
Behavioral/Social Science		3.0
CHM 151	General Chemistry I	4.0
MAT 172	Precalculus Trigonometry	4.0
COM 231	Public Speaking	3.0
ENG 112	Writing and Research in the Disciplines	3.0
Term II		
	Credits	13
ECO 251	Principles of Microeconomics	3.0
MAT 171	Precalculus Algebra	4.0
EGR 150	Intro to Engineering	2.0
ACA 122	College Transfer Success	1.0
ENG 111	Writing and Inquiry	3.0
Term I		Credits
Torm I		Cradita

Computer & Electrical Engineering Transfer Pathway

Term I		Credits
ENG 111	Writing and Inquiry	3.0
ACA 122	College Transfer Success	1.0

	Total Credits	69
	Credits	17
EGR 212	Logic System Design I	3.0
MAT 280	Linear Algebra	3.0
MAT 285	Differential Equations	3.0
PHY 252	General Physics II	4.0
Term V MAT 273	Calculus III	4.0
	Credits	18
or BIO 111	or General Biology I	
CHM 152	General Chemistry II	4.0
CSC 134	C++ Programming	3.0
ENG 231 or ENG 232	American Literature I or American Literature II	3.0
PHY 251	General Physics I	4.0
MAT 272	Calculus II	4.0
Term IV		
	Credits	4
MAT 271	Calculus I	4.0
Term III		
	Credits	17
Behavioral/Social Science		3.0
CHM 151	General Chemistry I	4.0
MAT 172	Precalculus Trigonometry	4.0
COM 231	Public Speaking	3.0
ENG 112	Writing and Research in the Disciplines	3.0
Term II		
	Credits	13
ECO 251	Principles of Microeconomics	3.0
MAT 171	Precalculus Algebra	4.0
EGR 150	Intro to Engineering	2.0

Mechanical Engineering Transfer Pathway

Term I		Credits
ENG 111	Writing and Inquiry	3.0
ACA 122	College Transfer Success	1.0
EGR 150	Intro to Engineering	2.0
MAT 171	Precalculus Algebra	4.0
ECO 251	Principles of Microeconomics	3.0
	Credits	13
Term II		
ENG 112	Writing and Research in the Disciplines	3.0
COM 231	Public Speaking	3.0
MAT 172	Precalculus Trigonometry	4.0
CHM 151	General Chemistry I	4.0
Behavioral/Social Science		3.0
	Credits	17
Term III		
MAT 271	Calculus I	4.0
	Credits	4
Term IV		
MAT 272	Calculus II	4.0
PHY 251	General Physics I	4.0
ENG 231	American Literature I	3.0
or ENG 232	or American Literature II	
CHM 152	General Chemistry II	4.0
DFT 170	Engineering Graphics	3.0
	Credits	18
Term V		
MAT 273	Calculus III	4.0

MAT 280	Linear Algebra	3.0
MAT 285	Differential Equations	3.0
EGR 220	Engineering Statics	3.0
	Credits	17
	Total Credits	69

Systems Engineering Transfer Pathway

	Total Credits	69
	Credits	17
EGR 220	Engineering Statics	3.0
EGR 212	Logic System Design I	3.0
MAT 285	Differential Equations	3.0
PHY 252	General Physics II	4.0
MAT 273	Calculus III	4.0
Term V		
	Credits	18
MAT 280	Linear Algebra	3.0
CHM 152	General Chemistry II	4.0
or ENG 232	or American Literature II	3.0
ENG 231	American Literature I	4.0
PHY 251	General Physics I	4.0
MAT 272		4.0
Term IV	Creaits	4
MAT 2/1		4.0
	Coloulus	4.0
Taum III	Creaits	17
Benavioral/Social Science	One dite	3.0
CHIM 151	General Chemistry I	4.0
MAT 172	Precaiculus Trigonometry	4.0
COM 231		3.0
ENG 112	Writing and Research in the Disciplines	3.0
Term II		
	Credits	13
ECO 251	Principles of Microeconomics	3.0
MAT 171	Precalculus Algebra	4.0
EGR 150	Intro to Engineering	2.0
ACA 122	College Transfer Success	1.0
ENG 111	Writing and Inquiry	3.0
Term I		Credits
Torm I		Canalita