

CHEMICAL ENGINEERING, ASSOCIATE IN ENGINEERING SCIENCE



College(s): DA, HW, TR, WR

Program Code: 0100

Pathway

All plans can be modified to fit the needs of part-time students by adding more semesters.

Recommended electives may vary by transfer institution. Choose your courses with your College Advisor.

Semester	Course	Hours
Semester 1	ENGLISH 101	Composition ¹ 3
	MATH 207	Calculus & Analytic Geometry I ¹ 5
	CHEM 201	General Chemistry I ^{1,2} 5
	Social and Behavioral Sciences ^{1,2} 3	
	Hours 16	
Semester 2	ENGLISH 102	Composition ¹ 3
	MATH 208	Calculus & Analytic Geometry II 5
	PHYSICS 235	Engineering Physics I: Mechanics & Wave Motion 5
	CHEM 203	General Chemistry II ³ 5
	Hours 18	
Semester 3	MATH 209	Calculus & Analytic Geometry III 5
	PHYSICS 236	Engineering Physics II: Electricity & Magnetism 5
	ENGR 190 or CIS 142	Computer Programming for Engineers or C++ Object Oriented Programming I 3
	MATH 210	Differential Equations ³ 3
	Hours 16	
Semester 4	Fine Arts or Humanities course ^{1,2} 3	
	CHEM 205	Organic Chemistry I 6
	ENGR 225	Introduction to Thermodynamics 3

Pathway Elective (p. 1) ³	3
Hours	15
Total Hours	65

1

General Education course

2

One course must satisfy the Human Diversity (HD) requirement

3

Pathway Elective (p. 1)

Pathway Electives

Code	Title	Hours
CHEM 203	General Chemistry II	5
CHEM 205	Organic Chemistry I	6
CHEM 207	Organic Chemistry II	6
ENGR 111	Engineering Success Seminar	3
ENGR 215	Electrical Circuit Analysis	5
ENGR 225	Introduction to Thermodynamics	3