

CIVIL 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.

Course	Title	Hours
Semester 1		
ENGLISH 101	Composition ¹	3
MATH 207	Calculus & Analytic Geometry I ¹	5
CHEM 201	General Chemistry I	5
Social and Behavioral Sciences course ^{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	Computer Programming for Engineers	3
	or CIS 142	or C++ Object Oriented Programming I
PHYSICS 215	Statics ³	3
Hours		16
Semester 4		
MATH 210	Differential Equations	3
Fine Arts or Humanities course ^{1,2}		3
PHYSICS 216	Dynamics ³	3
PHYSICS 217	Mechanics Of Materials ³	3

Pathway Elective (p. 1) ³	
Hours	
	12
Total Hours	62

- 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
ENGR 111	Intro To The Engineering Profession	2
ENGR 131	Engineering Graphics & Intro to Design	3
ENGR 225	Introduction to Thermodynamics	3
MATH 212	Linear Algebra	3
PHYSICS 215	Statics	3
PHYSICS 216	Dynamics	3
PHYSICS 217	Mechanics Of Materials	3
PHYSICS 237	Engineering Physics III: Heat light and Modern Physics	5