BIOENGINEERING, 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.

Institution-specific transfer guides and agreements can be found on CCC's transfer site (https://www.ccc.edu/services/Pages/Transfer-Guides.aspx).

Semester 1		**Hours**
ENGLISH 101	Composition [1]	3
MATH 207	Calculus & Analytic Geometry I [1]	5
CHEM 201	General Chemistry I [1]	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 or CIS 142	Computer Programming for Engineers or C++ Object Oriented Programming I	3
Pathway Elective (p. 1) [3]		3
	Hours	**16**
Semester 4		
MATH 210	Differential Equations	3
Fine Arts course or Humanities course [1,2]		3
BIOLOGY 121	Biology I [3]	5
ENGR 225	Introduction to Thermodynamics [3]	3
	Hours	**14**
	Total Hours	**64**

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
BIOLOGY 121	Biology I	5
ENGR 111	Engineering Success Seminar	3
ENGR 215	Electrical Circuit Analysis	5
ENGR 225	Introduction to Thermodynamics	3