

BIOENGINEERING, ASSOCIATE IN ENGINEERING SCIENCE



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

Program Code: 0100

Sample Transfer 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 Computer Programming for Engineers or CIS 142 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