

BIOMEDICAL 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 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	3
or CIS 142	or C++ Object Oriented Programming I	
Pathway Elective (p. 1) ³		4
Hours		17
Semester 4		
MATH 210	Differential Equations	3
Fine Arts course or Humanities course ^{1,2}		3
BIOLOGY 115	Human Biology ³	4

Pathway Elective (p. 1) ³	3
Hours	13
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
BIOLOGY 115	Human Biology	4
CHEM 203	General Chemistry II	5
CHEM 205	Organic Chemistry I	6
CHEM 207	Organic Chemistry II	6
ENGR 111	Intro To The Engineering Profession	2
ENGR 215	Electrical Circuit Analysis	5
PHYSICS 215	Statics	3
PHYSICS 216	Dynamics	3