Department of Biomedical Engineering

2019-2020

Biomedical Engineering — Credits = 128

Student Name GWID

Advisor Admit Date

FALL
First Semester Credits = 17

Hr	Course	Description	Grd	Date
1	SEAS 1001			
1	BME 1010			
4	UW 1020			
4	CHEM 1111			
4	BISC 1115 and 1125			
3	MATH 1231			

SPRING
Second Semester Credits = 17

Hr	Course	Description	Grd	Date
2	BME 1020			
4	CHEM 1112			
4	PHYS 1021 or 1025			
3	MATH 1232			
4	BISC 1116 and 1126			

Not for Degree

Hr	Course	Description	Grd	Date

FALL
Third Semester Credits = 15

Hr	Course	Description	Grd	Date
1	BME 2810			
4	PHYS 1022 or 1026			
4	ECE 2110			
3	MATH 2233			
3	APSC 2113			

SPRING
Fourth Semester Credits = 16

Hr	Course	Description	Grd	Date
1	BME 2815			
3	Rest Eng Elective			
3	ECE 2210			
3	Rest Eng Elective			
3	Prog Elective			
3	H/SS 1			

FALL
Fifth Semester Credits = 17

Hr	Course	Description	Grd	Date
4	BME 3820			
3	Prog Elective			
3	ECE 3220			
3	BME 4820			
3	Tech Elective			
1	BME 3910			

SPRING
Sixth Semester Credits = 16

Hr	Course	Description	Grd	Date
3	APSC 3115			
3	Tech Elective			
3	Tech Elective			
3	H/SS 2			
3	H/SS 3			
1	BME 3915W			

FALL
Seventh Semester Credits = 15

Hr	Course	Description	Grd	Date
3	BME 4920W			
3	PHYS 3127			
3	MAE 4168			
3	Tech Elective			
3	H/SS 4			

SPRING
Eighth Semester Credits = 15

Hr	Course	Description	Grd	Date
3	BME 4925W			
3	PHIL 2135			
3	Science Elective			
3	Tech Elective			
3	H/SS 6			

All technical electives must be approved by the students academic advisor and must include at least three advanced engineering courses. Programming electives must be chose from listed course pairs.

Potential Restricted Eng Electives

MAE 2131 Thermodynamics
APSC 2057 Statics
APSC 2058 Dynamics
CEE 2220 Intro to Mechanics of Solid
ECE 2115 Engineering Electronics
ECE 2140 Design of Logic Systems
ECE 3310 Intro to Electomagnetics

Prog Elective Pairs (take one pair)

1a. BME 2820 BME Programming I
1b. BME 2825 BME Programming II
2a. CS 1111 Intro to Sotware Develop
2b. CS 1112 Algorithms and Data Stru
3a. ECE 1120 C Programming for EC
3b. ECE 1125 Data Structures ECE

Science Electives

Phys 3128 Biophysics II
Chem 3165 Biochemistry I