

Department of Biomedical Engineering

2021-2022

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 1111			
3	MATH 1231			

SPRING

Second Semester Credits = 17

Hr	Course	Description	Grd	Date
2	BME 1020			
4	CHEM 1112			
4	PHYS 1025			
3	MATH 1232			
4	BISC 1112			

Not for Degree

Hr	Course	Description	Grd	Date
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FALL

Third Semester Credits = 15

Hr	Course	Description	Grd	Date
1	BME 2810			
4	PHYS 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			

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

FALL

Fifth Semester Credits = 17

Hr	Course	Description	Grd	Date
3	BME 3820			
3	Prog Elective			
3	ECE 3220			
3	BME 4820			
3	Tech Elective			
1	BME 3910			
1	BME 3825			

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			

Potential Restricted Eng Electives

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

Prog Elective Pairs (take one pair)

- 1a. MAE 1117 Intro to Engineering Computations
- 1b. MAE 2117 Engineering Computations
- 2a. CS 1111 Intro to Software Development
- 2b. CS 1112 Algorithms and Data Structures
- 3a. ECE 1120 C Programming for ECE
- 3b. ECE 1125 Data Structures ECE

Science Electives

- Phys 3128 Biophysics II
- Chem 3165 Biochemistry I

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			