

# Biomedical Engineering

Catalog Term: Fall 2020

Total Credit Hours: 128/129

FALL	Hrs	SPRING	Hrs
ENGL 101* College English I Pre-req: See Course Catalog	3	ENGL 102* College English II Pre-req: ENGL 101 with "C" or better	3
MATH 242 Calculus I Pre-req: MATH 111 and 123 with "			

FALL	Hrs	SPRING	Hrs
COMM 111* Public Speaking	3	MATH 555 Differential Equations I Pre-req: MATH 243 with "C" or better	3
			3

General Education\*  
Hum or S&BS or FA  
Note a

PHYS 313  
Physics for Scientist I  
Co-req: MATH 243  
with "C" or better

PHYS 314  
Physics for Scientist II  
Pre-req: MATH 243  
with "C" or better and PHYS 313  
(Offered Fall and Spring)

(Offered Spring Only)

IME 254  
Engr Probability and Statistics I  
Pre-req: MATH 243  
with "C" or better  
(Offered Fall and Spring)

BME 115  
Biomedical Engineering Seminar  
(Offered Fall and Spring)

BME 335  
Biomedical Computer Applications  
Co-req: MATH 242  
(Offered Fall and Spring)

BME 477\*  
Intro to Biomaterials  
Pre-req: CHEM 211 and (PHYS 31  
PHYS 213)  
all with "C" or better  
(Offered Fall and Spring)

Total Hours 16

Total Hours 17

Total Hours 19

Total Hours 15

FALL	Hrs	SPRING	Hrs
PHIL 385* Engineering Ethics Pre-req: Junior or Senior standing	3	General Education* Fine Arts Note a	3
EE 282 Circuits I Co-req: MATH 243	4	BIOL 420 Molecular Cell Biology Pre-req: BIOL 210 and CHEM 212 (Offered Spring only)	4
ME 398 Thermodynamics I Pre-req: MATH 243 and PHYS 313			

FALL	Hrs	SPRING	Hrs
General Education* Social & Behavioral Science Note a	3	Technical Elective Note b	3
BME 482 Design of Biodevices Pre-req: BME 335 with "C" or better and Department Consent (Offered Fall only)	3	Technical Elective Note b	3