

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

BME 115
Biomedical Engineering Seminar
(Offered Fall and Spring)

Total Hours 16

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

Total Hours 17

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

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

Total Hours 19

(Offered Spring Only)

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