

BACHELOR OF SCIENCE DEGREE IN BIOMEDICAL ENGINEERING

BMEN

Biomechanics Track: Minor in Mechanical and Energy Engineering (MEEN)

2016-17

Recommended Course of Study

Freshman Year

Fall

CHEM 1410	General Chemistry	3
CHEM 1430	General Chemistry Laboratory	1
ENGL 1310	College Writing I	3
BMEN 1300	Discover BMEN	3
MATH 1710	Calculus I	4
PSCI 1040	American Government	<u>3</u>

Spring

PHYS 1710	Mechanics	3
PHYS 1730	Laboratory in Mechanics	1
CSCE 1030	Computer Science I	4
TECM 2700	Technical Writing	3
MATH 1720	Calculus II	3
PSCI 1050	American Government	3

17

17

Sophomore Year

Fall

XXXX	Elective - MEEN 2301	3
MATH 2730	Multivariate calculus	3
EENG 2610	Circuit Analysis	3
PHYS 2220	Electricity & Magnetism	3
PHYS 2240	Lab in WM, Elec, Mag & Optics	1
BMEN 2210	Biomed DAQ Practices	<u>2</u>

Spring

BMEN 2320	Biomedical Instrumentation I	4
MATH 2700	Linear Algebra	3
XXXX	Elective - MEEN 2302	3
EENG 2710	Digital Logic	3

15

13

Junior Year

Fall

MATH 3410	Differential Equations	3
BMEN 3311	Biomedical Signal Analysis	3
BMEN3310	Human Systems	3
XXXX	Language Philosophy and Culture	3
XXXX	Elective - MEEN 2332	3

Spring

BMEN 3312	Introduction to Biomechanics	<u>3</u>
MATH3680	Statistics and Probability	3
BMEN 3321	Biomaterials	3
HIST 2610	History I	3
XXXX	Elective - Meen 2210	3

15

15

Senior Year

Fall

BMEN 4310	Biomedical Modeling	3
XXXX	Elective - MEEN 3000/4000 Level Course	3
BMEN 4212	Senior Design I	<u>1</u>
BMEN 4311	Advanced Topic in BMEN	3
XXXX	Social and Behavioral Sciences	3

Spring

HIST 2620	History II	3
BMEN 4321	Advanced Topic in BMEN	3
BMEN 4222	Senior Design II	3
XXXX	Visual and Performing Arts	<u>3</u>
XXXX	Elective - MEEN 3000/4000 Level Course	3

13

15

***Plus one more MEEN 3000/4000 Level Course

***If you do not want a minor in MEEN, you can omit this course from degree plan

University Core Courses in Green; Required courses in black; Prescribed electives in red; Free Electives in blue