

Sample Course Sequence for the BME Major*

Fall, Freshman Year		credits	Spring, Freshman Year		credits
AMS 151 Calc I		4	AMS 161 Calc II		4
CHE 131 Chem I lecture		4	CHE 132 Chem II lecture		4
PHY 131/133		4	PHY 132/134		4
BME 100 Introduction to BME		3	MEC 203 Computer-Aided Drafting II		2
DEC A WRT 102		3	ESG 111 C Programming		3
Introductory Seminar		1	Introductory Seminar		1
			<i>CHE 133 Chem I lab for pre-med or pre-dental</i>		1
Total		19	Total		19
Fall, Sophomore Year			Spring, Sophomore Year		
AMS 261 Calc III		4	AMS 361 Calc IV		4
DEC F**		3	BME 212 BME Res Fundamentals**		3
BIO 202 Molecular & Cellular Biology		3	BME 304 Genetic Engineering DEC H		3
BIO 204 Laboratory, 2 credits		2	DEC B		3
MEC 260 Engineering Statics		3	MEC 262 Engineering Dynamics		3
ESE 271 Electrical Circuit Analysis I		4	<i>CHE 134 Chem II lab for pre-med or pre-dental</i>		1
Total		19	Total		17
Fall, Junior Year			Spring, Junior Year		
AMS 210 Linear Algebra		3	BME 301 Bioelectricity		3
AMS 310 Probab Stat		3	BME 305 Biofluids		3
Technical Elective		3	Technical Elective		3
Technical Elective		3	Technical Elective		3
BME 300 - Writing in BME		0	<i>BIO 203 for pre-med or pre-dental</i>		3
DEC G		3	<i>BIO 205 Lab for pre-med or pre-dental</i>		2
Total		15	Total		17
Fall, Senior Year			Spring, Senior Year		
BME 440 Senior Design in BME		3	BME 441 Senior Design in BME		3
Technical Elective		3	Technical Elective		3
Technical Elective		3	Technical Elective		3
Technical Elective		3	Technical Elective		3
DEC J or DEC I, one is SBS the other Hum		3	DEC I or DEC J, one is SBS the other Hum		3
Total		15	Total		15

*modifications are shown for pre-medical or pre-dental students; further modifications are available for WISE and Honors College students.

**BME 212 can be taken in either the fall or spring semester, swapping with DEC F

