

Sample Course Sequence for the BE Program

Fall, Freshman Year		credits	Spring, Freshman Year		credits
AMS 151: Calc 1		3	AMS 161: Calc 2		3
CHE 131: Chem 1		4	CHE 132: Chem 2		4
PHY 131/133: Physics 1/Lab		4	PHY 132/134: Physics 2/Lab		4
BME 100: Intro to BME		3	MEC 203: CAD		3
SBC: WRT 102 (or DEC A2)		3	BME 120: Programming		3
Freshman Seminar (101)		1	Freshman Seminar (102)		1
Total		18	Total		18
Fall, Sophomore Year			Spring, Sophomore Year		
AMS 261: Calc 3		4	AMS 361: Calc 4		4
BME 212 or SBC: ARTS (or DEC F)		3	BME 212 or SBC: ARTS (or DEC F)		3
BIO 202: Mol&Cell Biology		3	BME 260: Statics/Dynamics		3
BIO 204: Bio Lab		2	BME 304: Genetic Eng (STAS or DEC H)		3
AMS 210: Linear Algebra		3	SBC: GLO (or DEC B)		3
Total		15	Total		16
Fall, Junior Year			Spring, Junior Year		
ESE 271: Circuit Analysis		4	BME 301: Bioelectricity (Biophotonics)		3
AMS 310: Prob/Stat		3	BME 305: Biofluids		3
BME 303: Biomechanics		3			
BME 300: Tech Writing		0	U Grad Tech Elective		3
U Grad Tech Elective*		3	U Grad Tech Elective		3
U Grad Tech Elective		3	SBC: HUM (or DEC G)		3
Total		16	Total		15
Fall, Senior Year			Spring, Senior Year		
BME 440: Senior Design 1		3	BME 440: Senior Design 2		3
U Grad Tech Elective		3	U Grad Tech Elective		3
U Grad Tech Elective		3	U Grad Tech Elective		3
U Grad Tech Elective		3	U Grad Tech Elective		3
SBC: SBS (or DEC I)		3	SBC: USA (or DEC J)		3
Total		15	Total		15

*At least 6 credits of BME 499 may count as Tech Elective