

Sample Course Sequence for the Combined (Accelerated) BE/MS Program

Fall, Freshman Year		credits	Spring, Freshman Year		credits
AMS 151: Calc 1 SBC QPS		3	AMS 161: Calc 2		3
CHE 131: Chem 1		4	CHE 132: Chem 2		4
PHY 131/133: Physics 1/Lab SBC SNW		4	PHY 132/134: Physics 2/Lab		4
BME 100: Intro to BME SBC TECH		3	MEC 203: CAD		3
SBC: WRT 102 (WRT)		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: Res Lab Fund or SBC (SBS)		3	BME 212: Res Lab Fund or SBC (SBS)		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: Lin Alg		3	SBC: GLO (or DEC B)		3
Total		15	Total		16
Fall, Junior Year			Spring, Junior Year		
BME 271: Intro BioElect BioPhotonics		3	BME 301: Bioelectricity (Biophotonics)		3
AMS 310: Prob/Stat		3	BME 305: Biofluids		3
BME 303: Biomechanics		3	BME Tech Elective 3		3
BME 300: Tech Writing SBC WRTD		0	BME Tech Elective 4		3
BME Tech Elective 1 (design)		3	SBC: HUM		3
BME Tech Elective 2 (design)		3			
Total		15	Total		15
Fall, Senior Year			Spring, Senior Year		
BME 440: Senior Design 1		3	BME 441: Senior Design 2		3
BME Tech Elective 5		3	BME Tech Elective 7		3
BME Tech Elective 6		3	BME Tech Elective 8		3
BME 501		3	BME 502		3
BME 520: Lab Rotation 1**		1	BME 520: Lab Rotation 2**		1
SBC: ARTS		3	SBC: USA		3
Total		15 or 16	Total		15 or 16
Fall, 5th Year (Graduate Student)			Spring, 5th Year (Graduate Student)		
BME 520: Lab Rotation 1***		1	BME 520: Lab Rotation 2***		1
BME 505: Principles and Practices in BME		2	BME 509: Fundamentals of Bioscience Indu		3
BME Grad Tech Elective 1		3	BME Grad Tech Elective 4		3
BME Grad Tech Elective 2		3	BME Grad Tech Elective 5		3
BME Grad Tech Elective 3		3	BME Grad Tech Elective 6		3
BME 599: BME Research **		3	BME 599: BME Research **		3
Total		12 or 15	Total		13 or 15

*Check Undergraduate Bulletin for Alternative Pre-requisites and Co-requisites and the most Up-to-Date Information

** Only if you will complete the MS degree with a thesis (6 credits required)

*** Only if you will not complete the MS degree with a thesis