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

Grade	Fall, Freshman Year	Credits
	AMS 151: Calc 1	3
	CHE 131: Chem 1	4
	PHY 131/133: Physics 1/Lab	4
	BME 100: Intro to BME	3
	Freshman Seminar (101)	1
	SBC: WRT 102	3
	Total	18
	Fall, Sophomore Year	
	AMS 261: Calc 3	4
	BME 212 or SBC: ARTS	3
	BIO 202: Mole/Cell Bio	3
	BIO 204: Bio Lab	2
	AMS 210: Linear Algebra	3
	Total	15
	Fall, Junior Year	
	ESE 271: Circuit Analysis	4
	AMS 310: Prob/Stat	3
	BME 303: Biomech	3
	BME 300: Tech Writing	0
	U. Grad Tech. Elective	3
	U. Grad Tech. Elective	3
	Total	16
	Fall, Senior Year	
	BME 440: Senior Design	3
	U. Grad Tech. Elective	3
	U. Grad Tech. Elective	3
	BME 501: Eng. Princ. Cell Bio	3
	BME 520: Lab Rotation 1	1
	SBC: SBS	3
	Total	16
	Fall, 5th Year Graduate	
	BME 505: Pric. & Pract. BME	2
	Graduate Tech. Elective 1	3
	Graduate Tech. Elective 2	3
	Graduate Tech. Elective 3	3
	BME 599*	3
	Total	14

Grade	Spring, Freshman Year	Credits
	AMS 161: Calc 2	3
	CHE 132: Chem 2	4
	PHY 132/134: Phys 2/Lab	4
	MEC 203: CAD	2
	BME 120: Programming	3
	Freshman Seminar (102)	1
	Total	17
	Spring, Sophomore Year	
	AMS 361: Calc 4	4
	BME 212 or SBC: ARTS	3
	BME 260: Statics/Dynamics	3
	BME 304: Genetic Eng (STAS)	3
	SBC: GLO	3
	Total	16
	Spring, Junior Year	
	BME 301: Bioelectricity	3
	BME 305: Biofluids	3
	U. Grad Tech. Elective	3
	U. Grad Tech. Elective	3
	U. Grad Tech. Elective	3
	SBC: HUM	3
	Total	18
	Spring, Senior Year	
	BME 441: Senior Design 2	3
	U. Grad Tech. Elective	3
	BME 502: Adv. Numerical Analysis	3
	BME 521: Lab Rotation 2	2
	SBC: USA	3
	Total	14
	Spring, 5th Year Graduate	
	BME 509: Bioscience Industry	3
	Graduate Tech. Elective 4	3
	Graduate Tech. Elective 5	3
	Graduate Tech. Elective 6	3
	BME 599*	3
	Total	15

* At least 6 credits of BME 599 is required for MS with thesis.