

B. S. E. in Bioengineering, (128 credits) Winter 2011 Catalog
Pre-Medical Track

Sample Course Sequence (Full-time students, 4-year, 11-semester plan, Fall, Winter, and Summer terms)

This Sample Course Sequence sheet shows *only one example* of how courses may be scheduled. Some courses may be taken before or after the semester they are listed, provided course [Pre-Requisites](#) <link> have been met.

Semester	Course	Prerequisites	Co-requisites
FALL – 1 14 credits	CHEM 134 with Lab (4 credits)	One year of HS chemistry	MATH 105 or higher (pre?)
	ENGR 126 with Lab (2)	Placement in MATH 090 or higher	
	MATH 115 (4)	Placement into MATH 115	
	BIO 103 with Lab (4)		
Winter 13 credits	CHEM 136 with Lab (4)	CHEM 134	
	MATH 116 (4)	MATH 115	
	ENGR 100 with Lab (2)	MATH 105 or higher	
	COMP 105 (3)	Placement into COMP 105	
Summer 7 credits	MATH 205 (3)	MATH 116	
	BIO 140 with lab (4)		
FALL – 2 12 credits	MATH 216 (3)	MATH 205	
	MATH 217 (2)	MATH 116	
	PHYS 150 with Lab (4)		MATH 115
	ENGR 250 (3)	CHEM 134	CHEM 136, MATH 115
Winter 14 credits	PHYS 151 with Lab (4)	PHYS 150	MATH 116
	ENGR 216 (2)	ENGR 100	Engr 126, Math 216, 217
	ME 230 (4)	MATH 116, Chem 134, PHYS 150	
	ME 265 (4)	PHYS 150	ENGR 250, Math 205/215
Summer 9 credits	COMP 270 (3)	COMP 105	
	ECON 202 or ECON 201 (3)		
	CHEM 225 (3)	CHEM 136	
FALL – 3 14 credits	BENG 325 (4)	Engr 216, ME 230, & ME 265 / 345	
	ECE 305 with Lab (4)	PHYS 151, MATH 205	MATH 217
	CHEM 226 (3)	CHEM 225	
	Humanities or Beh/Social Science (3)		
Winter 12 credits	BENG 375 (3)	ENGR 250, BIO 103, BIO 140	
	BENG 370 (4)	ME 265 or ME 345	
	CHEM 227 (2)	CHEM 226	
	BCHM 370 (3)	BIO 140, CHEM 226	
Summer 6 credits	Humanities or Beh/Social Science (3)		
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FALL – 4 13-14 credits	BENG 364 with Lab (3)	MATH 116	
	BENG 351 with Lab (4)	MATH 216, ECE 305, BIO 103, BIO 140, & ENGR 216 or ECE 270	
	BENG Design Elective (3-4)	Varies with specific course	
	Upper level Hum or Beh/Soc Sci (3)		
Winter 13-15 credits	BENG 4671 (4)	BENG 325, 349, 370, 375	BENG 364, 381
	BENG 381 with Lab (3)	BIO 103, 140	
	Design or Technical Elective (3-4)	Varies with specific course	
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➔ See **CURRICULUM REQUIREMENTS SHEET** (www.engin.umd.umich.edu/SRA/circ_requir.php) <link> for detailed requirements, including those for the Humanities and Behavioral or Social Sciences courses.

➔ For courses needed for co-op see: www.engin.umd.umich.edu/COOP/eligibility.php <link>