

BME Course Prereqs as of August 2008

Course	credits	Pre-Req	Pre-Req (either/or)
BME 100 Introduction to BME	3	BME major, BNG minor or dept consent	
BME 212 Lab Methods	3	BME major, BME 100 MEC 260	
BME 213 Intro to Nanotech	3	PHY 125 or 131; CHE 131 or ESG 198	
BME 300 level courses			
BME 301 Bioelectricity	3	BME 212 C Programming (ESG 111/ESE 124/CSE 130) ESE 271 Circuits (C or better) Recommended: Linear Algebra (AMS 210/MAT 211)	BIO 202 BIO 203
BME 303 Biomechanics	3	MEC 260 Statics (Calc II, Physics II)	
BME 304 Genetic Engr	3	BME 100	BIO 202 BIO 203
BME 305 Biofluids	3	BME 212 Calc III (AMS 261/MAT 203/MAT 205 3cr) Calc IV (AMS 361/MAT 303/MAT 305 3cr) MEC 260 Statics MEC 262 Dynamics	BIO 202 BIO 203
BME 311 Fundamentals BiImaging	3	BME 212	
BME 313 Instrumentation	3	BME 212	
BME 353/ESM 353	3	ESG 332	
BME 381 Nanobiotechnology	3	Chem II	BIO 202 BIO 203
BME 400 level courses			
BME 400 Research and Nanotech	3	BME 213, BME 499	
BME 404 Tissue Engr	3	Chem II	BIO 202 BIO 203
BME 420 Computational Biomech	3	BME 303 BME 305 MEC 363	
BME 430 Drug design	3	BME 304 Calc II	BIO 202 BIO 203
BME 440	3	BME 301 BME 305	
BME 441	3	BME 440	
BME 461 Bio Systems Analysis	3	BME 212 BME 301	
BME 481 Biosensors	3	ESE 271	BIO 202 BIO 203