

**Pre-Med Curriculum Guideline for Biomedical Engineering BS Degree**  
**For students following catalog year 2007-2008**  
 last update: May 6, 2008

Please keep in mind that the guidelines below are just guidelines; they don't need to be followed exactly. You may be exempted from taking one or more of the scheduled courses due to previous credits. In such cases you will certainly be modifying the schedule below. Note also that the "track" courses you want to take may not be offered in the quarters designated below. It is up to you to determine what track courses you want to take, to find out what quarter they are offered, and to plan them into your schedule. Make sure to pay attention to prerequisite courses when modifying the schedule.

1. Biomechanics and Rehabilitation (pre-med)

	<b>Fall</b>	<b>Winter</b>	<b>Spring</b>
Freshmen	GEN ENG 205-1 Math 220 Chem 101 H&SS	GEN ENG 205-2 Math 224 Chem 102 IDEA 106-1 BME 101	GEN ENG 205-3 Math 230 Chem 103 IDEA 106-2
Sophomore	GEN ENG 205-4 Chem 210-1 BME 271 H&SS	Math 234 Chem 210-2 Phys 135-2 Thermo	Fluid Mech Chem 210-3 Phys 135-3 Mat Sci
Junior	Bio 210-1 BME 305 BME 301 Stats	Bio 210-2 BME 306 BME 302 Unrestricted Elect.	BME 366* BME 307 BME 303 H&SS
Senior	BME 390-1 H&SS H&SS H&SS	Capstone Design BME 371 Track H&SS	Track BME 346 or 349* Unrestricted Elect. Unrestricted Elect.

\*Can easily be taken in senior year

2. Transport and Tissue Engineering (pre-med)

	<b>Fall</b>	<b>Winter</b>	<b>Spring</b>
Freshmen	GEN ENG 205-1 Math 220 Chem 101 H&SS	GEN ENG 205-2 Math 224 Chem 102 IDEA 106-1 BME 101	GEN ENG 205-3 Math 230 Chem 103 IDEA 106-2
Sophomore	GEN ENG 205-4 Chem 210-1 BME 271 H&SS	Math 234 Chem 210-2 Phys 135-2 Thermo	Fluid Mech Chem 210-3 Phys 135-3 Stats
Junior	Bio 210-1 BME 305 BME 301 BME 377*	Bio 210-2 BME 306 BME 302 BME 350*	H&SS BME 307 BME 303 Mat Sci
Senior	BME 390-1 H&SS H&SS H&SS	Capstone Design Track H&SS Unrestricted Elect.	Track BME 346 or 349 Unrestricted Elect. Unrestricted Elect.

\*Can easily be taken in senior year, but BME 377 should be taken prior to BME 350

### 3. Biological Materials and Molecular Engineering (pre-med)

	<b>Fall</b>	<b>Winter</b>	<b>Spring</b>
Freshmen	GEN ENG 205-1 Math 220 Chem 101 H&SS	GEN ENG 205-2 Math 224 Chem 102 IDEA 106-1 BME 101	GEN ENG 205-3 Math 230 Chem 103 IDEA 106-2
Sophomore	GEN ENG 205-4 Chem 210-1 BME 271 H&SS	Math 234 Chem 210-2 Phys 135-2 Thermo	Stats Chem 210-3 Phys 135-3 Mat Sci
Junior	Bio 210-1 BME 305 BME 301 BME 343* or MAT SCI 370*	Bio 210-2 BME 306 BME 302 BME 344* or MAT SCI 331*	BME 317* BME 307 BME 303 Fluid Mech
Senior	BME 390-1 BME 314 H&SS H&SS	Capstone Design Track H&SS H&SS	H&SS Unrestricted Elect. Unrestricted Elect. Unrestricted Elect.

\*Can easily be taken in senior year

#### 4. Signals and Imaging (pre-med)

	<b>Fall</b>	<b>Winter</b>	<b>Spring</b>
Freshmen	GEN ENG 205-1 Math 220 Chem 101 H&SS	GEN ENG 205-2 Math 224 Chem 102 IDEA 106-1 BME 101	GEN ENG 205-3 Math 230 Chem 103 IDEA 106-2
Sophomore	GEN ENG 205-4 Chem 210-1 BME 271 H&SS	Math 234 Chem 210-2 Phys 135-2 Thermo	Fluid Mech Chem 210-3 Phys 135-3 Stats
Junior	Bio 210-1 BME 305 BME 301 BME 325*	Bio 210-2 BME 306 BME 302 H&SS	EECS 302 BME 307 BME 303 Mat Sci
Senior	BME 390-1 BME 333 H&SS H&SS	Capstone Design Track H&SS H&SS	Track Unrestricted Elect. Unrestricted Elect. Unrestricted Elect.

\*Can easily be taken in senior year

5. Computer Engineering (pre-med)

	<b>Fall</b>	<b>Winter</b>	<b>Spring</b>
Freshmen	GEN ENG 205-1 Math 220 Chem 101 H&SS	GEN ENG 205-2 Math 224 Chem 102 IDEA 106-1 BME 101	GEN ENG 205-3 Math 230 Chem 103 IDEA 106-2
Sophomore	GEN ENG 205-4 Chem 210-1 BME Basic Eng EECS 202	Math 234 Chem 210-2 Phys 135-2 EECS 203	Stats Chem 210-3 Phys 135-3 EECS 205
Junior	Bio 210-1 BME 305 BME 301 EECS 211*	Bio 210-2 BME 306 BME 302 BME 383*	EECS 303 BME 307 BME 303 H&SS
Senior	BME 390-1 Track H&SS H&SS	Capstone Design H&SS H&SS H&SS	Unrestricted Elect. Track Unrestricted Elect. Unrestricted Elect.

\*Can easily take the following year

6. Electrical Engineering (pre-med)

	<b>Fall</b>	<b>Winter</b>	<b>Spring</b>
Freshmen	GEN ENG 205-1 Math 220 Chem 101 H&SS	GEN ENG 205-2 Math 224 Chem 102 IDEA 106-1 BME 101	GEN ENG 205-3 Math 230 Chem 103 IDEA 106-2
Sophomore	GEN ENG 205-4 Chem 210-1 Basic Eng EECS 202	Math 234 Chem 210-2 Phys 135-2 EECS 203	Basic Eng Chem 210-3 Phys 135-3 Basic Eng
Junior	Bio 210-1 BME 305 BME 301 EECS 223*	Bio 210-2 BME 306 BME 302 EECS 225*	H&SS BME 307 BME 303 EECS 230*
Senior	BME 390-1 EECS 303 H&SS H&SS	Capstone Design BME 383 H&SS H&SS	H&SS Unrestricted Elect. Unrestricted Elect. Unrestricted Elect.

\*Can easily take the following year