Northwestern University
McCormick School of Engineering and Applied Science
Biomedical Engineering Track Form

If you change your track, a new form must be submitted. Please check the track you expect to follow.

I. TRACK COURSES: Check one and circle the courses you intend to use toward your Track

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Biomechanics and Rehabilitation

**Track Courses:**
Both of the following: Bmd_Eng 366, 371
One of Bmd_Eng 346, 349
Two of Bmd_Eng: 344, 365, 377; Civ_Eng 327; Mech_Eng 315; 362; 389; 391; EECS 360

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Transport Processes & Tissue Engineering

**Track Courses:**
Both of the following: Bmd_Eng 350, 377
One of Bmd_Eng 346, 349
Two of Bmd_Eng 310; 315; 344, 371; Bmd_Eng 343 or Mat_Sci 370; Biol_Sci 315 or 390 (but not both)

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Computer Engineering

**Track Courses:**
All of the following: EECS 211, 303; Bmd_Eng 383
One of a following pair of courses: EECS 346 & 347; EECS 361 & 362; EECS 391 & 392

**Under Basic Engineering: (Note: This track alters your Basic Engineering Requirement)**
EECS 202 (Electrical Science);
EECS 203; 205 (Computer Architecture & Numerical Methods);
1 from Bmd_Eng 220, IEMS 201, 303 or Mech_Eng 359 (Probability, Statistics & Quality Control)
1 from Bmd_Eng 250 (Thermodynamics) or Bmd_Eng 270, 271 or Mech_Eng 241 (Fluids & Solids)

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Biomedical Signals and Images

**Track Courses:**
Both of the following: Bmd_Eng 325; EECS 302
One of Bmd_Eng 327 or 333
Two of Bmd_Eng 323, 327; 333 (or EECS 395 “Cardiovascular Instrumentation;” by petition, 495; EECS 328, 360; Phx 357
(Note: BME 327 & 333 are listed in 2 places in the track because both courses can be used towards the track.)

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Biological Materials and Molecular Engineering

**Track Courses:**
All of the following: Bmd_Eng 314, 317, 343 or Mat_Sci 370
One of Bmd_Eng 344 or Mat_Sci 353
One of Bmd_Eng 310; 315; 333; 346; 349; 350, 377; Mech_Eng 385 (old 285);
Chem_Eng 372; 379; Biol_Sci 301, 315, 390

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Electrical Engineering

**Track Courses:**
All of the following: EECS 223; 225; 230; 303; Bmd_Eng 383
**Under Basic Engineering: (Note: This track alters your Basic Engineering Requirement)**
EECS 202 (Electrical Science);
EECS 203 (Computer Architecture & Numerical Methods)
1 from Bmd_Eng 271; 270 or Mech_Eng 241 (Fluids & Solids)
1 from Mat_Sci 201 or 301 (Materials Science)
1 from Bmd_Eng 220, IEMS 201, 303 or Mech_Eng 359 (Probability, Statistics & Quality Control)

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General (list all 5 courses) A different set of courses may be developed by student and advisor, and must be submitted to and approved by the BME Undergraduate Committee.

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**PETITION SECTION**

FOR FIVE TRACK COURSES ONLY
IT IS NOT NECESSARY TO FILE A CURRICULUM PETITION IN ADDITION TO THIS FORM

**REQUESTED SUBSTITUTION**

**REASON:**

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Student’s Signature ___________________________ Date ____________

Adviser’s Signature ___________________________ Date ____________

Undergraduate Chair’s Signature ___________________________ Date ____________

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10/1/2010
Students should obtain the signature of the advisor and undergraduate chair and return the signed form to the Academic Services Office L269, Tech.