Northwestern University  
McCormick School of Engineering and Applied Science  
Medical Engineering Area of Specialization Form

To be used by students following the Catalog year 2002 or 2003 degree requirements.

All Medical Engineering majors must complete this form by the end of their junior year of study. If you change your specialization, a new form must be submitted. Please check the specialization you expect to follow. If you are not taking all of the courses listed under the specialization, please list the original course or courses to be taken and the course you wish to substitute on the lines below.

Name _________________________________________ EMPLID _______________ SSN _______________ Year of Study ___________ Today’s Date ___________

Students should obtain the signature of the advisor and program chair and return the signed form to Undergraduate Engineering Academic Services L269 Tech.

### I. BASIC ENGINEERING:

Please list the Basic Engineering Courses you are using for your degree:

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### II. CORE COURSES FOR SPECIALIZATION (IF APPLICABLE):

Under Basic Engineering:

- ECE 203
- Bmd_Eng 320; 325
- ECE 346/347; 361/362; 391/392

Under Core:

- One of Bmd_Eng 310, 315, 333, 346; Biol_Sci 301, 315, 390 or Chem_Eng 371
- Bmd_Eng 346; 350; 379

One of Bmd_Eng 377 or Chem_Eng 371


### III. SPECIALIZATION COURSES:

Check one and circle the courses you intend to use toward your Specialization

#### Computer Applications

- Under Basic Engineering: ECE 203
- Specialization Courses: ECE 205; 303; Bmd_Eng 320; 325
- Take one of the following pairs of classes
  - ECE 346/347; 361/362; 391/392

#### Electronic Instrumentation

- Under Basic Engineering: ECE 202 or Bmd_Eng 221; ECE 203
- Specialization Courses: ECE 221; 223; 225
- One of the following: Bmd_Eng 320 or ECE 222
- Two of Bmd_Eng 321; 338; 383

#### Biomechanics and Rehabilitation

- Bmd_Eng 250 or Chem 342-1; Bmd_Eng 271
- Specialization Courses: Bmd_Eng 270; 346; 366; 371
- Two of Bmd_Eng 321; 344; 365; 372; 373; 377; Civ_Eng 327; Mech_Eng 315; 362; 389; 390; 391

#### General (list all 6 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.

### **PETITION SECTION**

For Seven Major Specialization Courses Only

It is not necessary to file a Curriculum Petition in addition to this form

**Do not use this form to petition Basic Engineering Requirements, use yellow Curriculum Petition instead**

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Student’s Signature ___________________________ Date ___________

Adviser’s Name ___________________________ Date ___________

Adviser’s Signature ___________________________ Date ___________

Program Chair’s Signature ___________________________ Date ___________

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8/31/2004