Northwestern University
McComick School of Engineering and Applied Science
Medical Engineering Area of Specialization Form
To be used by students following the Catalog year 2000.

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 ___________

Check the line next to your intended specialization AND circle the courses you plan to take to complete the specialization. List any substitutes below.

Computer Applications
ECE 203 under Basic Engineering
ECE 205; 230; 303; Bmd_Eng 320; 325
Take one of the following pairs of classes ECE 346/347; 361/362; 391/392

Electronic Instrumentation
ECE 202 or Bmd_Eng 221; ECE 203 all under Basic Engg.
One of the following: Bmd_Eng 320 or ECE 222
All of Bmd_Eng 383; ECE 221; 223; 225:230; 303

Biomechanics and Rehabilitation
Bmd_Eng 250 or Chem 342-1; Bmd_Eng 271 under Basic Engg.
Bmd_Eng 270 or Mech_Eng 241 or Chem_Eng 321
Mech_Eng 362 and Bmd_Eng 377
Four of Bmd_Eng 321; 346; 365; 366; 371; 372; 373; Civ_Eng 413;
Mech_Eng 314; 315; 363; 390; 391

Biomedical Signals and Images
Three of Bmd_Eng 310; 343; 344; 346; Biol_Sci 301; 315; 390

Transport Processes & Tissue Engineering
Bmd_Eng 250 or Chem 342-1; Bmd_Eng 270 or Chem_Eng 321 or Mech_Eng 241 All under Basic Engineering
Bmd_Eng 379 and Chem_Eng 322
One of Bmd_Eng 350; Chem_Eng 323
Four of Bmd_Eng 317, 343, 344, 346, 371, 372, 373, 377

Biological Materials and Biotechnology
Bmd_Eng 250 or Chem 342-; Bmd_Eng 270 All under Basic Engg.
Bmd_Eng 314; 315; 317; 350
Three of Bmd_Eng 310; 343; 344; 346; Biol_Sci 301; 315; 390

General (list all 7 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.

Original Course (please list catalog # and title) course to be substituted with (please list catalog # and title)

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Course title</th>
<th>Catalog #</th>
<th>Course title</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

________________________________________________________________________

Student’s Signature _________________________________________ Date __________________

Adviser’s Name ________________________________________________

Adviser’s Signature ____________________________________________ Date __________________

Program Chair’s Signature ______________________________________ Date __________________

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

3/27/2003