To complete the technical electives requirement for the Bachelor of Science degree, MSE majors choose an area of concentration. If you are not taking all of the courses listed below under a pre-approved concentration, you and your advisor may create an original specialization. At least two of the five electives must be 300-level Materials Science and Engineering courses.* The rest are in the sciences, engineering, or math. No more than two of the remaining may be 200-level courses. None may be 100-level courses. Only one may be a 399. No MSE- and only one non-MSE course may be taken pass/fail.

*395 Special Topics Materiality in Art and Archaeology may be counted as a third 300-level MSE elective, but not one of the first two.

I. Please check the concentration you expect to follow.

________ Biomaterials
Chem 210-1, Mat_Sci 336, 370, 371 or 372; Bmd_Eng 343, 371

________ Design and Manufacturing
Mech Eng 317, 359, 365, Mat_Sci 318, Mf Eng 398 and Mat_Sci 340 or 355

________ Electronic Materials
ECE 250, Mat_Sci 337, 355, 382; Physics 335

________ Metals & Ceramics
Mat_Sci 333, 340, 341, 360, 371, 382; Mech Eng 365, 381

________ Nanomaterials
Chem 360, Mat_Sci 355, 360, 371, 376; Mech_Eng 381, 385; Physics 358

________ Polymeric Materials
Chem 210-1, Mat_Sci 333, 336, 337, 371; Mat_Sci 370 or 372; Chem_Eng 361

________ Surface Science
Mat_Sci 355, 360, 380; Physics 335; Mech Eng 320, 346

________ Energy Materials
Mat_Sci 318, 333, 337, 376, 381, 382

________ Other:
(To be developed by the student and advisor.)

II. Please list the courses that create the concentration and the terms in which they have been or will be taken:

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

Student’s Signature _____________________________________________ Date ____________

Adviser’s Signature _____________________________________________ Date ____________

Assistant Chair’s Signature _______________________________________ Date ____________

Dec 2015