### BIOMATERIALS CONCENTRATION

#### Fall
- **16 hours**
  - English 101 or 118 (3) FA, SP, SU
  - Chem 120 or 128 (4) FA, SP, SU
  - Math 141 or 147 (4) FA, SP, SU
  - EF 151 or 157 (4) FA, SP
  - EF 105 (1) FA, SP
- **16 hours**
  - Math 130 or higher or one SS
  - EF 152 or 158 (4) FA, SP, SU
  - Physics 231 (3) FA, SP
  - MSE 101 (1) SP
  - MSE 201 (3) FA, SP

#### Spring
- **16 hours**
  - English 102 (3) FA, SP, SU
  - Chem 130 or 138 (4) FA, SP, SU
  - Math 142 or 148 (4) FA, SP, SU
  - EF 152 or 158 (4) FA, SP
  - MSE 101 (1) SP
- **16 hours**
  - Math 200 (1) FA, SP
  - Physical Science 231 (3) FA, SP
  - MSE 201 (3) FA
  - MSE 250 (3) SP

#### Fall
- **17 hours**
  - MSE 201 (3) FA, SP, SU
  - MSE 210 (1) FA
  - Math 241 or 247 (4) FA, SP, SU
  - Physics 231 (3) FA, SP
  - EF 230 (2) FA, SP
  - MSE 200 or 205 (2) FA, SP

#### Spring
- **15 hours**
  - MSE 290 (1) SP
  - Math 200 (1) FA, SP
  - Math 231 (3) FA, SP
  - MSE 250 (3) SP

#### Fall
- **16 hours**
  - MSE 300 (1) FA
  - MSE 301 (3) FA
  - MSE 320 or 347 (3) FA
  - MSE 360 or 367 (3) FA
  - Gen. Ed. (3) FA, SP, SU

#### Spring
- **17 hours**
  - MSE 304 (1) SP
  - MSE 390 or 397 (3) SP
  - MSE 370 (3) SP
  - MSE 302 (3) SP
  - MSE 350 or 357 (3) SP

### UTRACK Milestones:

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Term 2</th>
<th>Term 3</th>
<th>Term 4</th>
<th>Term 5</th>
<th>Term 6 through 8</th>
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<tbody>
<tr>
<td>Math 130 or higher or one SS</td>
<td>Math 130 or higher</td>
<td>EF 151/157 or Physics 130/137</td>
<td>EF 152/158 or Physics 130/138</td>
<td>MSE 202 or CS 102 or MSE 301</td>
<td>no Milestones</td>
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</tbody>
</table>

### Notes:
- **Progression:**
  - Progression of students to departmental upper-division courses is competitive. Factors considered include overall grade point average, performance in selected lower division courses and evidence of satisfactory and orderly progress through the prescribed curriculum.

- **Upper Division Status:**
  - A lower division student formally applies for upper division status after completing 50 hours of lower division engineering curriculum course work with an overall GPA of at least 2.4. This must include MSE 201.

- **Provisional Status:**
  - Students who have completed 50 hours of lower division engineering curriculum course work with an overall GPA between 2.0 and 2.4 may apply for provisional status.

- **MSE Graduation Requirements:**
  - Graduation in materials science and engineering requires a minimum grade point average of 2.0 for all departmental courses.
  - Students also have opportunities for an Honors Concentration and/or a five year BS/MS program. See the Undergraduate Catalog for details and requirements.