<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Senior Year</th>
<th>Graduate Year</th>
<th>Program Information:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td><strong>Spring</strong></td>
<td><strong>Fall</strong></td>
<td></td>
</tr>
<tr>
<td>MSE 3010 Mtls Processing (3 credits)</td>
<td>MSE 3011 Mtls Character (4 credits)</td>
<td>MSE 5098 Senior Design (2.5 credits)</td>
<td><strong>Application Requirements:</strong></td>
</tr>
<tr>
<td>MSE 3210 EPS (3 credits)</td>
<td>MSE 3310 Intro Ceramics (3 credits)</td>
<td>MSE 5099 Senior Thesis (2.5 credits)</td>
<td>• Must have MSE Major status</td>
</tr>
<tr>
<td>ECE 2200 Elect Eng (1.5 credits)</td>
<td>MSE 5025 MPS (3 credits)</td>
<td>Tech Elective Section 1 (3 credits)</td>
<td>• 3.5 GPA minimum</td>
</tr>
<tr>
<td>MSE 3032 Thermo (4 credits)</td>
<td>Tech Elective Section 3 (3 credits)</td>
<td>Tech Elective Section 2 (3 credits)</td>
<td>• Three Letters of Recommendation</td>
</tr>
<tr>
<td>MSE 3410 Intro Polymers (3 credits)</td>
<td>MSE 6032 Adv. Thermo (3 credit)</td>
<td>MSE 6034 Kinetics (3 credit)</td>
<td>• Personal Statement</td>
</tr>
<tr>
<td>MSE 5090 Case Studies (3 credit) CW</td>
<td>MSE 6032 Adv. Thermo (3 credit)</td>
<td>MSE 6001 Eng. Materials (3 credit)</td>
<td>• Updated Degree Audit</td>
</tr>
</tbody>
</table>

**BS/MS Application Due April 1st**

**Grad School Application Due Jan. 15th**

**Graduate Year**

<table>
<thead>
<tr>
<th><strong>Fall</strong></th>
<th><strong>Spring</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>MSE 6970 Thesis Research (4 credit)</td>
<td>MSE 7800 Grad Seminar I (0.5 credit)</td>
</tr>
<tr>
<td>MSE 6970 Thesis Research (4 credit)</td>
<td>MSE 7801 Grad Seminar II (0.5 credit)</td>
</tr>
<tr>
<td>MSE 6011 Adv. Character (3 credit)</td>
<td>MSE 6001 Eng. Materials (3 credit)</td>
</tr>
<tr>
<td>MSE 6032 Adv. Thermo (3 credit)</td>
<td>MSE 6___ Grad Elective (3 credit)</td>
</tr>
<tr>
<td>MSE 6034 Kinetics (3 credit)</td>
<td>MSE 6___ Grad Elective (3 credit)</td>
</tr>
</tbody>
</table>

**Deadlines:**

- **April 1st** - Spring of junior year apply to the department for admission to the BS/MS program
- **January 15th** - Spring of senior year apply to the Graduate School for graduate student status

**MS Degree Requirements:**

- All courses must be passed with a “B-” grade or better
- 3.0 GPA required
- Complete a total of 30 graduate (6000 or above) credit hours

See mse.utah.edu for more information.
Materials Science and Engineering is an integrated discipline of chemistry, physics, and engineering. Many courses and all MSE courses are only offered one semester per year. Students will take a total of 30 credit hours in level 6000 (or above). Required: 3.0 GPA | All courses must be passed with a “B-” grade or better.

### Core Courses
- **MSE 6032 - Adv Thermodynamics** (3 credit)  
  Grade:  
  Year:  
  (Fall semester)
- **MSE 6001 - Engineering Materials** (3 credit)  
  Grade:  
  Year:  
  (Fall semester)
- **MSE 6064 - Kinetics** (3 credit)  
  Grade:  
  Year:  
  (Spring semester)
- **MSE 6011 - Adv Characterization** (3 credit)  
  Grade:  
  Year:  
  (Spring semester)

### Graduate Seminar
- **MSE 7800 - Graduate Seminar I** (0.5 credit)  
  Grade:  
  Year:  
  (Fall semester)
- **MSE 7801 - Graduate Seminar II** (0.5 credit)  
  Grade:  
  Year:  
  (Spring semester)

### Thesis Hours
- **MSE 6970 - Thesis Research: MS** (4 credit)  
  Grade:  
  Year:  
  (Fall semester)
- **MSE 6970 - Thesis Research: MS** (4 credit)  
  Grade:  
  Year:  
  (Spring semester)

### Electives
- **MSE 6_____ - Grad Elective** (3 credit)  
  Grade:  
  Year:  
  (Fall / Spring semester)
- **MSE 6_____ - Grad Elective** (3 credit)  
  Grade:  
  Year:  
  (Fall / Spring semester)
- **MSE 6_____ - Grad Elective** (3 credit)  
  Grade:  
  Year:  
  (Fall / Spring semester)

### Thesis
- **Thesis Title:** ____________________________________________________________
- **Thesis Defense Date:** ___________________________________________________

**Supervisory Committee Chair Approval:** ___________________________  
**Date:** ___________________________