# Materials Science & Engineering MS (Non-thesis)

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall Semester</strong></td>
<td><strong>Spring Semester</strong></td>
</tr>
<tr>
<td>MSE 6001 Engineering Materials (3 credits)</td>
<td>MSE 6034 Kinetics (3 credits)</td>
</tr>
<tr>
<td>MSE 6032 Adv Thermodynamics (3 credits)</td>
<td>MSE 6011 Adv Characterization (3 credits)</td>
</tr>
<tr>
<td>MSE 7800 Graduate Seminar I (0.5 credits)</td>
<td>MSE 7801 Graduate Seminar II (0.5 credits)</td>
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</tbody>
</table>

**MSE 6_____ MSE Grad Elective (3 credits) Fall or Spring**

**Major Requirements**
- No grade below B-
- 3.0 GPA is required

*Updated: Spring 2016*
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 6034 - 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 7800 - Graduate Seminar I (0.5 credit)**  
  Grade: Year: (Fall semester)
- **MSE 7801 - Graduate Seminar II (0.5 credit)**  
  Grade: Year: (Spring semester)
- **MSE 7801 - Graduate Seminar II (0.5 credit)**  
  Grade: Year: (Spring semester)

### Special Project Hours
- **MSE 6590 - Special Project (4 credit)**  
  Grade: Year: (Fall semester)
- **MSE 6590 - Special Project (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)

### Special Project
- **Special Project Title:**
- **Special Project Presentation Date:**

Supervisory Committee Chair Approval: Date: