**Materials Science and Engineering**

**Engineering Enterprise**

**MSEEUG**

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### Major Requirements

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
<th>Course Status Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 1150</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CH 1151</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>CH 1160</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CH 1161</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>ENG1101 OR (ENG1001 and ENG 1100)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENG 1102</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENG 2120 OR (MEEM 2110 and MEEM 2150)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MA 1160</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MA 2160</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MA 2320/2321</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>MA 3160</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MA 3520/3521</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>MY 2100</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MY 2110</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MY 3100</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MY 3110</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MY 3200</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MY 3210</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MY 3300</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MY 3701</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>MY 4300</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MY 4600</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MY 4800</td>
<td>3</td>
<td></td>
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<tr>
<td>MY 4940</td>
<td>2</td>
<td></td>
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<tr>
<td>PH 1100</td>
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<tr>
<td>PH 1200</td>
<td>1</td>
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<tr>
<td>PH 2100</td>
<td>3</td>
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</tr>
<tr>
<td>PH 2200</td>
<td>3</td>
<td></td>
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<tr>
<td>PH 2020</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PH 2400</td>
<td>3</td>
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</tr>
</tbody>
</table>

**Approved Elective:** 4 credits  
(Any 3000 or higher level course in engineering, science, or math; UN 3002 (2 cr); excludes ENT & ENG, and CM4610)

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### Concentration Requirements

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
<th>Course Status Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENT 3950</td>
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</tr>
<tr>
<td>ENT 3960</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>ENT 4950</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>ENT 4960</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

**6 credits of enterprise project work:**

**3 credits of enterprise teaming and communications:**

**3 credits of 1 credit enterprise instructional modules.**

**Designates General Education Distribution List courses (may be double-listed). If ENT 2961 and ENT 2962 are applied as General Education, 3 additional credits of Free Electives will be required to meet the total credit requirement of 128 for the degree.**

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**Credits Subtotal**
## General Education Requirements

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
<th>Course Status Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN 1001</td>
<td>3</td>
<td>M, R, P, WVD, SUB*</td>
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<tr>
<td>UN 1002***</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>UN 2001</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>UN 2002</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**HASS Distribution Courses:** 15 total credits required.  
**Six credits must be at the 3000- or 4000-level.**

- No more than 3 credits from the HASS Creative Endeavors List may be used to satisfy the HASS Distribution List requirements.
- No more than 3 credits from the HASS Supplemental List may be used to satisfy the HASS Distribution List requirements.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC3400</td>
<td>3</td>
</tr>
</tbody>
</table>

**Additional Information**

***Two semesters of a single modern language (6 cr) in addition to UN1003 World Cultures Activities (1 cr) can substitute for UN1002 + 3 credits of distribution course requirements.

**ENT2961 may be double-listed under Institutions and ENT2962 may be double-listed under World Cultures as long as the “9 credits at 3000 level or above” rule is met.**

## Free Electives

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
</tr>
</thead>
</table>

**Credits Subtotal**

## Co-Curricular Activities

| .5 | .5 | .5 | .5 | .5 | .5 |

Required for graduation, but not included in the calculation of the GPA, or in the overall credits required for the degree.

## Additional Information

(choose all that apply)

- Currently Enrolled in:
  - Certificate Program: _______________________
  - Double Major: ____________________________
  - Minor: _________________________________
  - Second Degree: __________________________

## For Advisor Use Only

<table>
<thead>
<tr>
<th>Total Credits Required:</th>
<th>128</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Credits Completed:</td>
<td></td>
</tr>
<tr>
<td>Total Credits Needed:</td>
<td></td>
</tr>
</tbody>
</table>