Engineering Management Minor

The Mechanical and Industrial Engineering Department within the College of Engineering offers a nonteaching minor in Engineering Management. The field of Engineering Management is focused on the managerial, financial and systems level aspects of engineering problem solving. Students are required to complete 21 credits for the minor by taking a core group of four courses and selecting an additional three elective courses. Students completing the minor will find themselves better prepared to successfully work in a technical leadership capacity. The Engineering Management minor is not available to Industrial & Management Systems Engineering majors. Students earn the minor by completing the following courses:

**Required Pre-Requisite Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGEN 350</td>
<td>Applied Engineering Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td>EIND 354</td>
<td>Engineering Probability and Statistics I</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>M 166Q</td>
<td>Calculus for Technology II</td>
<td>3</td>
</tr>
<tr>
<td>M 172Q</td>
<td>Calculus II</td>
<td>3</td>
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**Recommended Core Elective Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>BGEN 242D</td>
<td>Intro to Int'l Business</td>
<td></td>
</tr>
<tr>
<td>PSYX 100IS</td>
<td>Intro to Psychology</td>
<td></td>
</tr>
<tr>
<td>SOCI 101IS</td>
<td>Introduction to Sociology</td>
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**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EGEN 325</td>
<td>Engineering Economic Analysis</td>
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<tr>
<td>EIND 300</td>
<td>Engineering Management &amp; Ethics</td>
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<tr>
<td>EIND 373</td>
<td>Production Inventory Cost Analysis</td>
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<td>EIND 434</td>
<td>Project Management for Engineers</td>
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**Technical Problem Solving Elective**

Choose One:

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>EIND 455</td>
<td>DOE for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>EIND 457</td>
<td>Regres &amp; Multivar Analysis</td>
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</tr>
<tr>
<td>EIND 458</td>
<td>Production &amp; Engineering Mgmt</td>
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<tr>
<td>EIND 477</td>
<td>Quality Management Systems</td>
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**Managerial Problem Solving Elective Courses**

Choose Two:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BMGT 329</td>
<td>Human Resource Management</td>
<td></td>
</tr>
<tr>
<td>BGEN 361</td>
<td>Principles of Business Law</td>
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<tr>
<td>BMGT 406</td>
<td>Negotiation/Dispute Resolution</td>
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<tr>
<td>BMGT 420</td>
<td>Leadership and Motivation</td>
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<tr>
<td>BMGT 464</td>
<td>International Management</td>
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<tr>
<td>ECNS 309</td>
<td>Managerial Economics</td>
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<tr>
<td>EIND 425</td>
<td>Technology Entrepreneurship</td>
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<tr>
<td>PSYX 360</td>
<td>Social Psychology</td>
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<tr>
<td>PSYX 461</td>
<td>Indust &amp; Organiz Psych</td>
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<tr>
<td>PSYX 481</td>
<td>Judgment &amp; Decision Making</td>
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<tr>
<td>SOCI 345</td>
<td>Sociology of Organizations</td>
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<tr>
<td>SOCI 370</td>
<td>Sociology of Globalization</td>
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Font Notice
This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.