### First Year

<table>
<thead>
<tr>
<th>Fall Term</th>
<th>Spring Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 161: Calculus</td>
<td>PHYS 121: Mechanics</td>
</tr>
<tr>
<td>WRTG 105: Primary Writing Requirement</td>
<td>MATH 162: Calculus II</td>
</tr>
<tr>
<td>Elective or cluster course</td>
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</tbody>
</table>

### Sophomore Year

<table>
<thead>
<tr>
<th>Fall Term</th>
<th>Spring Term</th>
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</thead>
<tbody>
<tr>
<td>MATH 164: Multidimensional Calculus</td>
<td>PHYS 123: Waves and Modern Physics</td>
</tr>
<tr>
<td>PHYS 122: Electricity and Magnetism</td>
<td>MATH 165: Linear Algebra with Differential Equations</td>
</tr>
<tr>
<td>ME 121: Engineering Mechanics II*</td>
<td>ME 226: Introduction to Solid Mechanics**</td>
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<tr>
<td>Elective or cluster course</td>
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### Junior Year

<table>
<thead>
<tr>
<th>Fall Term</th>
<th>Spring Term</th>
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</thead>
<tbody>
<tr>
<td>PHYS 217: Electricity and Magnetism I</td>
<td>PHYS 218: Electricity and Magnetism II</td>
</tr>
<tr>
<td>PHYS 235W: Classical Mechanics</td>
<td>PHYS 237: Quantum Mechanics of Physical Systems</td>
</tr>
<tr>
<td>MATH 281: Fourier Series</td>
<td>PHYS 227: Thermodynamics and Statistical Mechanics</td>
</tr>
<tr>
<td>Elective</td>
<td>ME 232 or ME 246 (AE minor courses)</td>
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</tbody>
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### Senior Year

<table>
<thead>
<tr>
<th>Fall Term</th>
<th>Spring Term</th>
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</thead>
<tbody>
<tr>
<td>PHYS 243W: Advanced Experimental Techniques I</td>
<td>PHYS 246: Quantum Theory</td>
</tr>
<tr>
<td>ME 204: Mechanical Design (AE minor course prerequisite)</td>
<td>MATH 282: Introduction to Complex Variables</td>
</tr>
<tr>
<td>ME 214: Advanced Dynamics</td>
<td>PHYS or ASTR elective</td>
</tr>
<tr>
<td>PHYS or ASTR elective</td>
<td>ME 232 or ME 246</td>
</tr>
<tr>
<td>Elective</td>
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</tbody>
</table>

* Prerequisite to ME 214
** Pre-requisite for ME 204 and ME 246