# Mechatronics Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 305</td>
<td>Introduction to Mechatronics</td>
<td>4</td>
</tr>
<tr>
<td>ME 326</td>
<td>Intermediate Dynamics</td>
<td>4</td>
</tr>
<tr>
<td>ME 405</td>
<td>Mechatronics</td>
<td>4</td>
</tr>
<tr>
<td>ME 419</td>
<td>Advanced Control Systems</td>
<td>4</td>
</tr>
<tr>
<td>ME 428</td>
<td>Senior Design Project I ^2</td>
<td>2</td>
</tr>
<tr>
<td>ME 429</td>
<td>Senior Design Project II ^2</td>
<td>2</td>
</tr>
<tr>
<td>ME 430</td>
<td>Senior Design Project III ^2</td>
<td>2</td>
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<td>Select from the following: ^1</td>
<td>3-4</td>
</tr>
<tr>
<td>IME 356</td>
<td>Manufacturing Automation</td>
<td></td>
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<tr>
<td>IME 416</td>
<td>Automation of Industrial Systems</td>
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<tr>
<td>ME 423</td>
<td>Robotics: Fundamentals and Applications</td>
<td></td>
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<tr>
<td>ME 506</td>
<td>System Dynamics</td>
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<tr>
<td>ME 507</td>
<td>Mechanical Control System Design</td>
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</tbody>
</table>

Total units: 25-26

^1 Elective based on interests of students.

^2 ENGR 459, ENGR 460 and ENGR 461 (6) may substitute for ME 428, ME 429 and ME 430 (6).