# 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>
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<tr>
<td>ME 405</td>
<td>Mechatronics</td>
<td>4</td>
</tr>
<tr>
<td>ME 423</td>
<td>Robotics: Fundamentals and Applications</td>
<td>4</td>
</tr>
<tr>
<td>or ME 506</td>
<td>System Dynamics</td>
<td></td>
</tr>
<tr>
<td>or ME 507</td>
<td>Mechanical Control System Design</td>
<td></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>
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<tr>
<td>ME 430</td>
<td>Senior Design Project III (2)</td>
<td>2</td>
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<td>Select from the following:</td>
<td></td>
<td>3-4</td>
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<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>
<td></td>
</tr>
<tr>
<td>ME 506</td>
<td>System Dynamics</td>
<td></td>
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<tr>
<td>ME 507</td>
<td>Mechanical Control System Design</td>
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<tr>
<td>Total units</td>
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<td>21-22</td>
</tr>
</tbody>
</table>

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).