## Bachelor of Science in Mechanical Engineering

*(Focus)*

<table>
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<tr>
<th>Semester</th>
<th>Course #</th>
<th>Course Title</th>
<th>Min.</th>
<th>Grade</th>
<th>GEC</th>
<th>Prerequisite</th>
<th>Additional Notes</th>
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<td>3</td>
<td>ENGL 1301 Rhetoric and Composition I</td>
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<td>Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301.</td>
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<td>020</td>
<td>MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.</td>
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<td>CHEM 1307 Chemistry for Engineers</td>
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<td>Credit for MECE 2140 and credit/registration in MANE 3364. MECE 2340 may not be taken concurrently.</td>
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The University of Texas at Rio Grande Valley
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<th>Course Title</th>
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<tr>
<td>3</td>
<td>MECE 3321</td>
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<td>Measurements and Instrumentation</td>
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<td>Kinematics and Dynamics of Machines</td>
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<td>Ethics, Happiness, and the Good Life</td>
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<td>Heat Transfer Laboratory</td>
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<td>Fundamentals of Engineering</td>
<td>Junior standing in engineering and within two semesters of graduation.</td>
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<td>Machine Elements</td>
<td>A grade of 'C' or better in MECE 2302, MECE 2340, and MECE 3321.</td>
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**Graduation Requirements**

**129 TOTAL HOURS**

**50 TOTAL ADVANCED HOURS**

**Symbols Key**

- Critical ("!"): sequence sensitive course.
- Minimum Grade: A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; Mathematics; 030 - Life and Physical Sciences; 040 - Language, Philosophy & Culture; 050 - Creative Arts; 060 - American History; 070 - Government/Political Science; 080 - Social and Behavioral Sciences; 090 - Computer Application; 090 - Interdisciplinary; 090 - Science Labs; 090 - Wellness.
- Language Proficiency Requirement: Student is required to demonstrate language proficiency in a language other than English at the undergraduate level equivalent to a minimum of six credits.