<table>
<thead>
<tr>
<th>Subject</th>
<th>Course #</th>
<th>Crosslisted w/</th>
<th>Title</th>
<th>Prerequisites</th>
<th>Course is prerequisite for MAE</th>
<th>Quarter/s Usually Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAE</td>
<td>2</td>
<td></td>
<td>Intro to Aerospace Eng.</td>
<td></td>
<td>155A</td>
<td>F</td>
</tr>
<tr>
<td>SE</td>
<td>2/L</td>
<td></td>
<td>Structural Materials</td>
<td>Chem 6A, Phys 2A</td>
<td>155A, SE 160A</td>
<td>S</td>
</tr>
<tr>
<td>MAE</td>
<td>3</td>
<td></td>
<td>Intro to Eng. Graphics and Design</td>
<td>Phys 2A (or 4A)</td>
<td>150</td>
<td>F, S</td>
</tr>
<tr>
<td>MAE</td>
<td>101B</td>
<td></td>
<td>Advanced Fluid Mechanics</td>
<td>MAE 101A, MAE 110A</td>
<td>101C, 104, 113</td>
<td>W, S</td>
</tr>
<tr>
<td>MAE</td>
<td>101C</td>
<td></td>
<td>Heat Transfer</td>
<td>MAE 101A, MAE 101B, MAE 105</td>
<td>175A</td>
<td>F</td>
</tr>
<tr>
<td>MAE</td>
<td>104</td>
<td></td>
<td>Aerodynamics</td>
<td>MAE 101A, MAE 101B</td>
<td>142, 155A</td>
<td>F</td>
</tr>
<tr>
<td>MAE</td>
<td>105</td>
<td></td>
<td>Intro to Mathematical Physics</td>
<td>Phys 2A, Phys 2B, Math 20D</td>
<td>101C, 143A</td>
<td>F, S</td>
</tr>
<tr>
<td>MAE</td>
<td>107</td>
<td></td>
<td>Computational Methods in Engineering</td>
<td>MAE 8, Math 18 or 20F</td>
<td>150</td>
<td>F, S</td>
</tr>
<tr>
<td>MAE</td>
<td>110A</td>
<td></td>
<td>Thermodynamics</td>
<td>Phys 2C, CHEM 6A</td>
<td>101B, 113</td>
<td>F, W</td>
</tr>
<tr>
<td>MAE</td>
<td>113</td>
<td></td>
<td>Fundamentals of Propulsion</td>
<td>MAE 110A, MAE 101A, MAE 101B</td>
<td>155A (or concurrent), 155B</td>
<td>W</td>
</tr>
<tr>
<td>MAE</td>
<td>130B</td>
<td>SE 101B</td>
<td>Mechanics II: Dynamics</td>
<td>MAE 130A</td>
<td>130C, SE 160A</td>
<td>W, S</td>
</tr>
<tr>
<td>MAE</td>
<td>130C</td>
<td>SE 101C</td>
<td>Mechanics III: Vibrations</td>
<td>Math 18 or 20F, MAE 130B</td>
<td>155A, SE 160B</td>
<td>F, W</td>
</tr>
<tr>
<td>MAE</td>
<td>131A</td>
<td>SE 110A</td>
<td>Solid Mechanics I</td>
<td>Math 20D, MAE 130A</td>
<td>SE 160A</td>
<td>F, W, S</td>
</tr>
<tr>
<td>MAE</td>
<td>140</td>
<td></td>
<td>Linear Circuits</td>
<td>Math 20D, Math 18 or 20F, Phys 2B</td>
<td>175A</td>
<td>F, W</td>
</tr>
<tr>
<td>MAE</td>
<td>142</td>
<td></td>
<td>Dynamics and Control of Aerospace Vehicles</td>
<td>MAE 104, MAE 143B</td>
<td>155A (or concurrent), 155B</td>
<td>W</td>
</tr>
<tr>
<td>MAE</td>
<td>143A</td>
<td></td>
<td>Signals and Systems</td>
<td>Math 20D, Math 20E, Math 18 or 20F, MAE 105</td>
<td>143B</td>
<td>W</td>
</tr>
<tr>
<td>MAE</td>
<td>143B</td>
<td></td>
<td>Linear Control</td>
<td>MAE 143A</td>
<td>142, 175A</td>
<td>S</td>
</tr>
<tr>
<td>MAE</td>
<td>150</td>
<td></td>
<td>Computer-Aided Design</td>
<td>MAE 3, MAE 107, MAE 130A</td>
<td>155A, 155B</td>
<td>F, W, S</td>
</tr>
<tr>
<td>MAE</td>
<td>155A</td>
<td></td>
<td>Aerospace Eng. Design I</td>
<td>MAE 2, SE 2/L, MAE 104, MAE 130C, SE 160B, MAE 113 (or concurrent), MAE 142 (or concurrent), MAE 150</td>
<td>155B</td>
<td>W</td>
</tr>
<tr>
<td>MAE</td>
<td>155B</td>
<td></td>
<td>Aerospace Eng. Design II</td>
<td>MAE 113, MAE 142, MAE 150, MAE 155A, MAE 170</td>
<td>S</td>
<td></td>
</tr>
<tr>
<td>SE</td>
<td>160A</td>
<td></td>
<td>Aerospace Structural Mechanics I</td>
<td>SE 2/L, MAE 130B, MAE 131A</td>
<td>SE 160B</td>
<td>W</td>
</tr>
<tr>
<td>SE</td>
<td>160B</td>
<td></td>
<td>Aerospace Structural Mechanics II</td>
<td>SE 160A, MAE 130C</td>
<td>155A</td>
<td>S</td>
</tr>
<tr>
<td>MAE</td>
<td>170</td>
<td></td>
<td>Experimental Techniques</td>
<td>Phys 2CL</td>
<td>155B, 175A</td>
<td>F, S</td>
</tr>
<tr>
<td>MAE</td>
<td>175A</td>
<td></td>
<td>Aerospace Eng. Lab I</td>
<td>MAE 101C, MAE 143B, MAE 170, MAE 140</td>
<td>W</td>
<td></td>
</tr>
</tbody>
</table>

A grade of at least a C- is required in all prerequisites. All courses must be taken for a letter grade (no P/NP)

For more information, please contact an MAE undergraduate advisor: mae-ugrad@eng.ucsd.edu