Suggested Arrangement of Courses for Eight Semester Program
126 credit hours

### First Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Semester Hours</th>
<th>Spring Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 301, <em>Principles of Chemistry I</em></td>
<td>3</td>
<td>ASE 301, <em>Introduction to Computer Programming</em></td>
<td>3</td>
</tr>
<tr>
<td>M 408C, <em>Differential and Integral Calculus</em></td>
<td>4</td>
<td>M 408D, <em>Sequences, Series, and Multivariable Calculus</em></td>
<td>4</td>
</tr>
<tr>
<td>ASE 102, <em>Introduction to Aerospace Engineering</em>**</td>
<td>1</td>
<td>PHY 303K, <em>Engineering Physics I</em></td>
<td>3</td>
</tr>
<tr>
<td>RHE 306, <em>Rhetoric and Writing</em> (English Composition)</td>
<td>3</td>
<td>PHY 103M, <em>Laboratory for Physics 303K</em></td>
<td>1</td>
</tr>
<tr>
<td>UGS 302 or UGS 303 (First-Year Signature Course) *</td>
<td>3</td>
<td>GOV 310L (American and Texas Government) *</td>
<td>3</td>
</tr>
<tr>
<td>Approved Social and Behavioral Science *</td>
<td>3</td>
<td>American History *</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td>16 or 17**</td>
<td>TOTAL</td>
<td>17</td>
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### Second Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Semester Hours</th>
<th>Spring Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 103N, <em>Laboratory for Physics 303L</em></td>
<td>1</td>
<td>M 427L, <em>Advanced Calculus for Applications II</em></td>
<td>4</td>
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<tr>
<td>M E 210, <em>Engineering Design Graphics</em></td>
<td>2</td>
<td>TOTAL</td>
<td>15</td>
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<tr>
<td>TOTAL</td>
<td>16</td>
<td>TOTAL</td>
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### Third Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Semester Hours</th>
<th>Spring Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASE 320, <em>Low-Speed Aerodynamics</em></td>
<td>3</td>
<td>ASE 362K, <em>Compressible Flow</em></td>
<td>3</td>
</tr>
<tr>
<td>ASE 119K, <em>Low-Speed Aerodynamics Laboratory</em></td>
<td>1</td>
<td>ASE 367K, <em>Flight Dynamics</em></td>
<td>3</td>
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<tr>
<td>ASE 330M, <em>Linear System Analysis</em></td>
<td>3</td>
<td>Technical Area Courses*</td>
<td>7</td>
</tr>
<tr>
<td>ASE 366K, <em>Spacecraft Dynamics</em></td>
<td>3</td>
<td>Approved Visual and Performing Arts*</td>
<td>3</td>
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<tr>
<td>ASE 375, <em>Electromechanical Systems</em></td>
<td>3</td>
<td>TOTAL</td>
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<tr>
<td>E 316K, <em>Masterworks of Literature (Humanities)</em></td>
<td>3</td>
<td>TOTAL</td>
<td>16</td>
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### Fourth Year

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Semester Hours</th>
<th>Spring Semester</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASE 376K, <em>Propulsion</em></td>
<td>3</td>
<td>ASE 365, <em>Structural Dynamics</em></td>
<td>3</td>
</tr>
<tr>
<td>Technical Area Courses</td>
<td>6</td>
<td>Technical Area Elective</td>
<td>3</td>
</tr>
<tr>
<td>Technical Elective</td>
<td>3</td>
<td>GOV 312L/P (American and Texas Government) *</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td>15</td>
<td>American History *</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td>15</td>
<td>TOTAL</td>
<td>15</td>
</tr>
</tbody>
</table>

**NOTES:**
- C- or better required in all coursework except Core Curriculum (*) requirements.
- Check with the Undergraduate Office (WRW 215) for a list of approved technical elective courses.
- **ASE 102 is not a degree requirement. Students who do not take this course will take 16 hours of coursework.**