### SEMESTER I

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AIS 1203</td>
<td>Academic Inquiry &amp; Scholarship</td>
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<tr>
<td>CHE 1103</td>
<td>General Chemistry I</td>
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<tr>
<td>MAT 1214</td>
<td>Calculus I</td>
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<tr>
<td>ME 1403</td>
<td>ME Practice &amp; Graphics</td>
<td>3</td>
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<tr>
<td>WRC 1013</td>
<td>Freshman Composition I</td>
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### SEMESTER II

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<tbody>
<tr>
<td>MAT/EGR 1224/1324</td>
<td>Calculus II</td>
<td>4</td>
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<tr>
<td>PHY 1943</td>
<td>Physics for SCI/EGR I</td>
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<td>PHY 1951</td>
<td>Physics for SCI/EGR I Lab</td>
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<tr>
<td>POL 1013</td>
<td>Intro to American Politics (Core)</td>
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<tr>
<td>WRC 1023</td>
<td>Freshman Composition II</td>
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### SEMESTER III

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<tbody>
<tr>
<td>EGR 2103</td>
<td>Statics</td>
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<tr>
<td>EGR 2323</td>
<td>Applied Engineering Analysis I</td>
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<tr>
<td>PHY 1963</td>
<td>Physics for SCI/EGR II</td>
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<td>PHY 1971</td>
<td>Physics for SCI/EGR II Lab</td>
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<tr>
<td>EGR 1403</td>
<td>Tech. Comm. (or other Core options)</td>
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<tr>
<td>Math/Science Elective</td>
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### SEMESTER IV

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<thead>
<tr>
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<tbody>
<tr>
<td>EE 2213</td>
<td>Electric Circuits &amp; Electronics</td>
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<tr>
<td>EGR 2513</td>
<td>Dynamics</td>
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<tr>
<td>EGR 3323</td>
<td>Applied Engineering Analysis II</td>
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<tr>
<td>ME 324</td>
<td>Materials Engineering Lab</td>
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<tr>
<td>ME 3243</td>
<td>Materials Engineering &amp; Lab</td>
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<tr>
<td>ME 3293</td>
<td>Thermodynamics I</td>
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### SEMESTER V

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<thead>
<tr>
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<tbody>
<tr>
<td>ME 2173</td>
<td>Numerical Methods</td>
<td>3</td>
</tr>
<tr>
<td>ME 3113</td>
<td>Measurements &amp; Instrumentation</td>
<td>3</td>
</tr>
<tr>
<td>ME 3663</td>
<td>Fluid Mechanics</td>
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<tr>
<td>ME 3813</td>
<td>Mechanics of Solids</td>
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<tr>
<td>ME 4293</td>
<td>Thermodynamics II</td>
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<tr>
<td>CORE</td>
<td>Lang, Phil, &amp; Culture</td>
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### SEMESTER VI

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<tbody>
<tr>
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<tr>
<td>ME 3543</td>
<td>Dynamic Systems &amp; Control</td>
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<tr>
<td>ME 3263</td>
<td>Manufacturing Engineering</td>
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</tr>
<tr>
<td>ME 3823</td>
<td>Machine Element Design I</td>
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<tr>
<td>ME 4313</td>
<td>Heat Transfer</td>
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### SEMESTER VII

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<tbody>
<tr>
<td>ME 4543</td>
<td>Mechatronics</td>
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<tr>
<td>ME 4312</td>
<td>Thermal and Fluid Lad</td>
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<tr>
<td>ME 4812</td>
<td>Senior Design I</td>
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<tr>
<td>POL 1133/1213</td>
<td>Texas Politics</td>
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<td>ME</td>
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### SEMESTER VIII

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<tbody>
<tr>
<td>ME 4813</td>
<td>Senior Design II</td>
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<tr>
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<tr>
<td>CORE</td>
<td>American History</td>
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<td>CORE</td>
<td>Social &amp; Behavioral Sciences</td>
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<td><strong>Semester Total</strong></td>
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**Total Required Degree Hours: 128**

All undergraduate students are required to meet with an Academic Advisor when they have completed 45 and 90 Hours.

**DEADLINE TO APPLY FOR GRADUATION:**
- Fall: July 15<sup>th</sup>
- Spring: November 15<sup>th</sup>
- Summer: February 15<sup>th</sup>

**Approved Math/Science Electives**
- BIO 1233. Contemporary Biology I
- CHE 2603. Organic Chemistry I
- PHY 2103 Modern Physics
- BIO 1243. Contemporary Biology II
- ES 2013. Intro to Environmental Sci. I
- PHY 3203. Classical Mechanics I.
- BIO 1404. Biosciences I.
- GEO 1123. Life Through Time
- STA 2303 Appl. Prob.& Statist for Engrs.
- MAT 3013. Foundations of Mathematics
- STA 3003. Applied Statistics
- CH 1113 General Chemistry II
- MAT 3103. Data Anal. & Interpretation