This is not an official degree audit and it is subject to change. This chart is intended to be used by students who start out at Texas State. Please contact the College of Science and Engineering Undergraduate Advising Center for advising.

Note: In addition to major courses, students must also complete all core and minor requirements (if applicable) and any other requirements for graduation.

### BS – Manufacturing Engineering: Mechanical (SC-BS/MFGE)

<table>
<thead>
<tr>
<th>Freshman Fall semester</th>
<th>Freshman Spring semester</th>
<th>Sophomore Fall semester</th>
<th>Sophomore Spring semester</th>
<th>Junior Fall semester</th>
<th>Junior Spring semester</th>
<th>Senior Fall semester</th>
<th>Senior Spring semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2471 (F,S,Su)</td>
<td>MATH 2472 (F,S,Su)</td>
<td>ENGR 3375 (F,S,Su)</td>
<td>CS 1428 (F,S,Su)</td>
<td>ENGR 3315 (F,S)</td>
<td>ENGR 3311 (F,S,Su)</td>
<td>MFGE 4365 (F,S)</td>
<td>MFGE 4355 (F,S,S)</td>
</tr>
<tr>
<td>PHYS 1430 (F,S)</td>
<td>PHYS 2425 (F,S)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mechanics</td>
<td>Electricity &amp; Magnetism</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 1341 (F,S,Su)</td>
<td>CHEM 1141 (F,S,Su)</td>
<td>ENGR 2300 (F,S,Su)</td>
<td>MATH 3323 (F,S,Su)</td>
<td>IE 3330 (F,S)</td>
<td>MATH 3377 (F,S,Su)</td>
<td>PHYS 3315 (S)</td>
<td>MFGE 4357 (F,S)</td>
</tr>
<tr>
<td>General Chemistry I</td>
<td>Materials Engineering</td>
<td>Differential Equations</td>
<td>Linear Algebra</td>
<td>Quality Engineering</td>
<td></td>
<td>Thermo Mechanics</td>
<td>Dynamics of Machinery</td>
</tr>
<tr>
<td>ENGR 1313 (F,S,Su)</td>
<td>MATH 3332 (F,S,Su)</td>
<td>IE 3320 (F,S)</td>
<td>MFGE 2332 (F,S,Su)</td>
<td>MFGE 43316 (F,S)</td>
<td>MFGE 4396 (F,S)</td>
<td>IE 3360 (F,S)</td>
<td>MFGE 4359 (F,S)</td>
</tr>
<tr>
<td>Graphics</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| Core courses must be completed:

- US 1100
- ENG 1310
- HIST 1310
- POSI 2310

- COMM 1310
- ENG 1320
- HIST 1320
- POSI 2320

- PHIL 1305 or 1320
- ENG 2310-2360
- ART/DAN/MU/TH 2313
- ECO 2301 or ECO 2314

US 1100 & ENG 1310 recommended for first semester. HIST 1310/1320 not recommended for first semester.

Choose 8 hours mechanical systems elective:

- TECH 4330 (F) – Foundry & Heat Treatment
- MFGE 4367 (S) – Polymer Properties and Processing
- MFGE 4392 (F,S) – Microelectronics Manufacturing I
- MFGE 4394 (F) – Microelectronics Manufacturing II
- MFGE 4399A (F) – Reverse Engr & Rapid Prototyng
- MFGE 4399B (F) – Intro to Reinforced Polymer Nanocomposites in Industrial Applications
- MFGE 4399C – Intro to Industrial Robotics

Check prerequisites.