# Bachelor of Science in Technology (B.S.T.) Major in Engineering Technology (Manufacturing Engineering Technology Concentration)

**Minimum required: 121-122 semester credit hours**

## General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum/) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.

2. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).

3. Nine semester credit hours must be writing intensive (WI).

4. If two years of the same language are taken in high school, then no additional language hours will be required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

## Course Requirements

### Freshman

<table>
<thead>
<tr>
<th>First Hours Semester</th>
<th>Second Hours Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1335 &amp; CHEM 1135 (Life and Physical Sciences Component Code 030 [TCCN CHEM 1409 or 1309 &amp; 1109])</td>
<td>4 ENGR 2300 3</td>
</tr>
<tr>
<td>MATH 2471 (Mathematics Component Code 020 [TCCN MATH 2413])</td>
<td>4 MATH 2472 (Component Area Option 092 [TCCN MATH 2414])</td>
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### Sophomore

<table>
<thead>
<tr>
<th>First Hours Semester</th>
<th>Second Hours Semester</th>
<th>Summer Hours</th>
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</thead>
<tbody>
<tr>
<td>TECH 1311</td>
<td>3 PHYS 2425 (Component Area Option 093 [TCCN PHYS 2426])</td>
<td>4 TECH 2190 1</td>
</tr>
<tr>
<td>PHYS 1430 (Component Area Option Code 030 [TCCN PHYS 2425])</td>
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<tr>
<td>CS 1342 or 1428</td>
<td>3-4 TECH 2351 3</td>
<td></td>
</tr>
<tr>
<td>ART 2313, DAN 2313, MU 2313, or TH 2313 (Creative Arts Component Code 050 [TCCN HUMA 1315])</td>
<td>3 TECH 2344 3</td>
<td></td>
</tr>
<tr>
<td>PHIL 1320 (Language, Philosophy, and Culture Component Code 040 [TCCN PHIL 2306])</td>
<td>3 IE 3320 3</td>
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**Total:** 16-17 16 1
<table>
<thead>
<tr>
<th>First Hours Semester</th>
<th>Second Hours Semester</th>
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<tbody>
<tr>
<td>ENGR 3373, TECH 4374, MFGE 4367, or MFGE 4365</td>
<td>3 TECH 4362 3</td>
</tr>
<tr>
<td>ECO 2301 (Social and Behavioral Sciences Component Code 080 [TCCN ECON 1301])</td>
<td>3 POSI 2320 (Government Political Science Component Code 070 [TCCN GOVT 2305]) 3</td>
</tr>
<tr>
<td>American History Component Code 060</td>
<td>3 American History Component Code 060 3</td>
</tr>
<tr>
<td>POSI 2310 (Government Political Science Component Code 070 [TCCN GOVT 2306])</td>
<td>3 TECH 3345 3</td>
</tr>
<tr>
<td>TECH 3364</td>
<td>3 TECH 3357 3</td>
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<tr>
<td><strong>15</strong></td>
<td><strong>15</strong></td>
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</tbody>
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**Senior**

<table>
<thead>
<tr>
<th>First Hours Semester</th>
<th>Second Hours Semester</th>
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</thead>
<tbody>
<tr>
<td>TECH 4330</td>
<td>3 TECH 4380 3</td>
</tr>
<tr>
<td>MGT 3303</td>
<td>3 ENGR 3315 3</td>
</tr>
<tr>
<td>TECH 4392</td>
<td>3 MGT 4330 3</td>
</tr>
<tr>
<td>TECH 4381</td>
<td>3 TECH 4396 3</td>
</tr>
<tr>
<td>TECH 4395</td>
<td>3 TECH 4382 3</td>
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<td><strong>15</strong></td>
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</tbody>
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**Total Hours: 121-122**