## Engineering Technology - CONSTRUCTION Concentration

### Bachelor of Science

<table>
<thead>
<tr>
<th>Grade</th>
<th>Semester</th>
<th>Minimum Grade of D Required:</th>
<th>Grade</th>
<th>Semester</th>
<th>Minimum Grade of C Required:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 101</td>
<td>Freshman Composition (3 hrs)</td>
<td>OSHE 111</td>
<td>Introduction to OSHE (3 hrs)</td>
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<tr>
<td>ENGL 102</td>
<td>Critical Reading and Writing (3 hrs)</td>
<td>IT 407</td>
<td>Six Sigma Industrial Quality (3 hrs)</td>
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<tr>
<td>ENGL 230, 231 or 232</td>
<td>(3 hrs)</td>
<td>ET 100</td>
<td>Introduction to Engineering Technology (3 hrs)</td>
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<tr>
<td>ENGL 322</td>
<td>Intro to Prof and Technical Writing (3 hrs)</td>
<td>ET 111</td>
<td>Engineering Graphics (3 hrs)</td>
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<tr>
<td>Biology - GBIO 151</td>
<td>(3 hrs)</td>
<td>ET 202</td>
<td>Computer Applications (3 hrs)</td>
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<tr>
<td>Biology - BIOL 152</td>
<td>(1 hr)</td>
<td>ET 213</td>
<td>Electrical Circuits (3 hrs)</td>
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<tr>
<td>Chemistry - CHEM 121</td>
<td>Lecture (3 hrs)</td>
<td>ET 241</td>
<td>Introduction to Engineering Materials (3 hrs)</td>
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<tr>
<td>Physics - PHYS 191</td>
<td>Lecture (3 hrs)</td>
<td>ET 490</td>
<td>Seminar (1 hr)</td>
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<tr>
<td>Physics - PLAB 193</td>
<td>Lab (1 hr)</td>
<td>ET 492</td>
<td>Project Management (3 hrs)</td>
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<tr>
<td>Physics - PHYS 192</td>
<td>Lecture (3 hrs)</td>
<td>ET 493</td>
<td>Senior Design I (3 hrs)</td>
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<tr>
<td>Physics - PLAB 194</td>
<td>Lab (1 hr)</td>
<td>ET 494</td>
<td>Senior Design II (3 hrs)</td>
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<tr>
<td>ART, DNCE, MUS, or THEA</td>
<td>(3 hrs)</td>
<td>ET 132</td>
<td>Construction Materials and Methods (3 hrs)</td>
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<tr>
<td>HIST 101, 102, 201, or 202</td>
<td>(3 hrs)</td>
<td>ET 231</td>
<td>Surveying I (3 hrs)</td>
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<tr>
<td>COMM 211</td>
<td>Introduction to Public Speaking (3 hrs)</td>
<td>ET 244</td>
<td>Construction Regulations, Contracts, and Specifications (3 hrs)</td>
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<tr>
<td>ECON 201 or ECON 202</td>
<td>(3 hrs)</td>
<td>ET 271</td>
<td>Engineering Statics (3 hrs)</td>
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<tr>
<td>ANTH, ECON, POLI SCI, PSYC, or SOC</td>
<td>(3 hrs)</td>
<td>ET 331</td>
<td>Commercial Construction Estimating I (3 hrs)</td>
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<tr>
<td>SE 101 or Free Elective</td>
<td>(2 hrs)</td>
<td>ET 332</td>
<td>Commercial Construction Estimating II (3 hrs)</td>
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**General Education (17 hrs)**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Semester</th>
<th>Minimum Grade of C Required:</th>
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<tbody>
<tr>
<td>MATH 175</td>
<td>Precalculus with Trigonometry (5 hrs)</td>
<td>ET 334</td>
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<tr>
<td>MATH 200</td>
<td>Calculus I (5 hrs)</td>
<td>ET 336</td>
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<tr>
<td>ET 381</td>
<td>Engineering Materials</td>
<td>ET 441</td>
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<tr>
<td>ET 400</td>
<td>Internship</td>
<td>ET 443</td>
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<tr>
<td>ET 442</td>
<td>Construction Inspection</td>
<td>ET 448</td>
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<tr>
<td>ET 445</td>
<td>Commercial Architecture</td>
<td></td>
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<tr>
<td>ET 446</td>
<td>Construction Systems</td>
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<tr>
<td>IT 351</td>
<td>Machine Tool Technology</td>
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<tr>
<td>OSHE 231</td>
<td>Safety Laws, Regulations, and Standards</td>
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<tr>
<td>OSHE 382</td>
<td>Construction Safety</td>
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<tr>
<td>OSHE 421</td>
<td>Measurement of Safety Performance and Accident</td>
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**Technical Electives can be chosen from:**

- DDT 113 Architectural Drafting
- DDT 215 Light Commercial Building Drafting
- ET 381 Engineering Materials
- ET 400 Internship
- ET 442 Construction Inspection
- ET 445 Commercial Architecture
- ET 446 Construction Systems
- IT 351 Machine Tool Technology
- OSHE 231 Safety Laws, Regulations, and Standards
- OSHE 382 Construction Safety
- OSHE 421 Measurement of Safety Performance and Accident

**Technical Elective (3 hrs)**

**Construction Concentration (33 hrs)**

**Technical Elective (3 hrs)**

**Total Semester Hours: 124**

LAST UPDATED: 08/25/2021