

## Engineering Technology - CONSTRUCTION Concentration

### Bachelor of Science

NAME:

W#:

|  | Grade | Semester   | Minimum Grade of D Required:                                | Grade | Semester                                  | Minimum Grade of C required:  |  |
|--|-------|--|---|-------|---|---|--|
| <b>ENGLISH (12 hrs)</b>  |       |  | <b>ENGL 101</b> Freshman Composition (3 hrs)                |       |   | <b>OSHE 111</b> Introduction to OSHE (3 hrs)                                  | <b>ENGINEERING TECHNOLOGY (33 hrs)</b>     |
|  |       |  | <b>ENGL 102</b> Critical Reading and Writing (3 hrs)        |       |   | <b>ET 111</b> Engineering Graphics (3 hrs)                                    |  |
|  |       |  | <b>ENGL 230, 231</b> <u>or</u> <b>232</b> (3 hrs)           |       |   | <b>IT 407</b> Six Sigma Industrial Quality (3 hrs)                            |  |
| <b>NATURAL SCIENCE (15 hrs)</b>  |       |  | <b>ENGL 322</b> Intro to Prof and Technical Writing (3 hrs) |       |   | <b>ET 100</b> Introduction to Engineering Technology (3 hrs)                  |  |
|  |       |  | <b>Biology - GBIO 151</b> (3 hrs)                           |       |   | <b>ET 202</b> Computer Applications (3 hrs)                                   |  |
|  |       |  | <b>Biology - BIOL 152</b> (1 hr)                            |       |   | <b>ET 213</b> Electrical Circuits (3 hrs)                                     |  |
|  |       |  | <b>Chemistry - CHEM 121</b> Lecture (3 hrs)                 |       |   | <b>ET 241</b> Introduction to Engineering Materials (3 hrs)                   |  |
|  |       |  | <b>Physics - PHYS 191</b> Lecture (3 hrs)                   |       |   | <b>ET 305</b> Human Factors Engineering (3 hrs)                               |  |
|  |       |  | <b>Physics - PLAB 193</b> Lab (1 hr)                        |       |   | <b>ET 492</b> Project Management (3 hrs)                                      |  |
|  |       |  | <b>Physics - PHYS 192</b> Lecture (3 hrs)                   |       |   | <b>ET 493</b> Senior Design I (3 hrs)   |  |
| <b>GENERAL EDUCATION (17 hrs)</b>  |       |  | <b>Physics - PLAB 194</b> Lab (1 hr)                        |       |   | <b>ET 494</b> Senior Design II (3 hrs)  |  |
|  |       |  | <b>ART, DNCE, MUS, or THEA</b> (3 hrs)                      |       |   | <b>ET 132</b> Construction Materials and Methods (3 hrs)                      | <b>CONSTRUCTION CONCENTRATION (33 hrs)</b> |
|  |       |  | <b>HIST 101, 102, 201, or 202</b> (3 hrs)                   |       |   | <b>ET 231</b> Surveying I (3 hrs)   |  |
|  |       |  | <b>COMM 211</b> Introduction to Public Speaking (3 hrs)     |       |   | <b>ET 232</b> Surveying II (3 hrs)  |  |
|  |       |  | <b>ECON 201 or ECON 202</b> (3 hrs)                         |       |   | <b>ET 234</b> Concrete and Masonry Design (3 hrs)                             |  |
|  |       |  | <b>ANTH, ECON, POLI SCI, PSYC, or SOC</b> (3 hrs)           |       |   | <b>ET 244</b> Construction Regulations, Contracts, and Specifications (3 hrs) |  |
|  |       | <b>SE 101 or Free Elective</b> (2 hrs) not required of transfer or re-admitted students with 30 hours or more. |   |       | <b>ET 271</b> Engineering Statics (3 hrs) |   |  |
| <b>MATH</b>  |       |  | <b>MATH 165</b> Precalculus with Trigonometry (3 hrs)       |       |   | <b>ET 331</b> Commercial Construction Estimating I (3 hrs)                    | <b>Tech. Elec.</b>                         |
|  |       |  | <b>MATH 200</b> Calculus I (5 hrs)                          |       |   | <b>ET 332</b> Commercial Construction Estimating II (3 hrs)                   |  |
| <sup>1</sup> Technical Electives can be chosen from:<br>DDT 113 Architectural Drafting<br>DDT 215 Light Commercial Building Drafting<br>ET 381 Strength of Materials<br>ET 400 Internship<br>ET 442 Construction Inspection<br>ET 445 Commercial Architecture<br>ET 446 Construction Systems<br>ET 448 Construction Hydraulics<br>IT 351 Machine Tool Technology<br>OSHE 231 Safety Laws, Regulations, and Standards<br>OSHE 382 Construction Safety<br>OSHE 421 Measurement of Safety Performance and Accident Investigation and Analysis |       |  |   |       |   | <b>ET 336</b> Steel Design (3 hrs)  |  |
|  |       |  |   |       |   | <b>ET 441</b> Construction Planning and Scheduling (3 hrs)                    |  |
|  |       |  |   |       |   | <b>ET 443</b> Foundation and Soil Mechanics (3 hrs)                           |  |
|  |       |  |   |       |   | <sup>1</sup> Technical Elective (3 hrs)                                       |  |
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