

**School of Engineering and Engineering Technology**  
**ENGINEERING TECHNOLOGY, B.S.**  
**ELECTRICAL, AUTOMATION, AND ROBOTICS CONCENTRATION**  
**ETEC.EETC/ET**  
**2025-26**  
**SUGGESTED COURSE SEQUENCE**

| First Semester - Fall |      |      |   |                                                 |
|-----------------------|------|------|---|-------------------------------------------------|
| <b>15 Hours</b>       |      |      |   |                                                 |
| ___                   | BIBL | 1033 | 3 | Biblical Literature                             |
| ___                   | EETC | 1011 | 1 | Electronic Fabrication Fundamentals (Fall only) |
| ___                   | ENGL | 1013 | 3 | English Composition I                           |
| ___                   | ENGR | 1311 | 1 | Manufacturing Processes Lab                     |
| ___                   | ENGR | 1513 | 3 | Intro to Engineering Practice I (Fall only)     |
| ___                   | LETU | 1101 | 1 | Cornerstones of Life & Learning                 |
| ___                   | MATH | 1203 | 3 | College Algebra <sup>(1)</sup>                  |

| Second Semester - Spring |      |      |   |                                                     |
|--------------------------|------|------|---|-----------------------------------------------------|
| <b>16 Hours</b>          |      |      |   |                                                     |
| ___                      | COSC | 1303 | 3 | Computer Science I                                  |
| ___                      | EETC | 1021 | 1 | DC Circuits Laboratory (Spring only) <sup>(1)</sup> |
| ___                      | EETC | 1022 | 2 | DC Circuits (Spring only) <sup>(1)</sup>            |
| ___                      | ENGR | 1523 | 3 | Intro to Engineering Practice II (Spring only)      |
| ___                      | MATH | 1253 | 3 | Trigonometry <sup>(1)</sup>                         |
| ___                      | PHYS | 1111 | 1 | General Physics I Lab (Spring only)                 |
| ___                      | PHYS | 1113 | 3 | General Physics I (Spring only)                     |

| Third Semester - Fall |      |      |   |                                               |
|-----------------------|------|------|---|-----------------------------------------------|
| <b>15 Hours</b>       |      |      |   |                                               |
| ___                   | CHEM | 1111 | 1 | General Chemistry I Lab                       |
| ___                   | CHEM | 1113 | 3 | General Chemistry I                           |
| ___                   | EETC | 1041 | 1 | AC Circuits Lab (Fall only) <sup>(1)</sup>    |
| ___                   | EETC | 1042 | 2 | AC Circuits (Fall only) <sup>(1)</sup>        |
| ___                   | MATH | 1604 | 4 | Technical Calculus (Fall only) <sup>(1)</sup> |
| ___                   | PHYS | 1121 | 1 | General Physics II Lab (Fall only)            |
| ___                   | PHYS | 1123 | 3 | General Physics II (Fall only)                |

| Fourth Semester - Spring |      |      |   |                                          |
|--------------------------|------|------|---|------------------------------------------|
| <b>16 Hours</b>          |      |      |   |                                          |
| ___                      | EETC | 2313 | 3 | Electronics I (Spring only)              |
| ___                      | EETC | 3212 | 2 | Digital Electronics (Spring only)        |
| ___                      | EETC | 3211 | 1 | Digital Electronics Lab (Spring only)    |
| ___                      | ENGL | 1023 | 3 | English Composition II                   |
| ___                      | ENGR | 2400 | 0 | Sophomore Design Seminar (Spring only)   |
| ___                      | ENGR | 2704 | 4 | Project Mgmt, Design & Entrepreneurship  |
| ___                      | THEO | 2043 | 3 | Biblical Theology for the Christian Life |

| Fifth Semester - Fall |      |      |   |                                            |
|-----------------------|------|------|---|--------------------------------------------|
| <b>15 Hours</b>       |      |      |   |                                            |
| ___                   | COMM | 1113 | 3 | Intro to Speech Communication              |
| ___                   | EETC | 2323 | 3 | Electronics II (Fall only)                 |
| ___                   | EETC | 3413 | 3 | Industrial Power and Machinery (Fall only) |
| ___                   | ENGR | 2313 | 3 | Materials Engineering                      |
| ___                   | METC | 2013 | 3 | Statics (Fall only) <sup>(1)</sup>         |

| Sixth Semester - Spring |      |      |   |                                                     |
|-------------------------|------|------|---|-----------------------------------------------------|
| <b>15 Hours</b>         |      |      |   |                                                     |
| ___                     | BIBL |      | 3 | Biblical Engagement Elective                        |
| ___                     | EETC | 3433 | 3 | Industrial Instrumentation & Controls (Spring only) |
| ___                     | EETC | 4213 | 3 | Intro to Microcontrollers (Spring only)             |
| ___                     | GETC | 3323 | 3 | Modern Manufacturing Methods                        |
| ___                     | METC | 2023 | 3 | Dynamics (Spring only)                              |

| Seventh Semester - Fall |      |      |   |                                    |
|-------------------------|------|------|---|------------------------------------|
| <b>18 Hours</b>         |      |      |   |                                    |
| ___                     | BUSI | 3023 | 3 | Entrepreneurship for Engineers     |
| ___                     | EETC | 4433 | 3 | Industrial Robotics and Automation |
| ___                     | ENGR | 4813 | 3 | Senior Design I (Fall only)        |
| ___                     |      |      | 3 | Civic Engagement Elective          |
| ___                     |      |      | 3 | Technical Elective                 |
| ___                     |      |      | 3 | Humanities & Fine Arts Elective    |

| Eighth Semester - Spring |      |      |   |                                               |
|--------------------------|------|------|---|-----------------------------------------------|
| <b>15 Hours</b>          |      |      |   |                                               |
| ___                      | EETC | 4533 | 3 | Computer Interfacing and Robotic Applications |
| ___                      | ENGR | 4823 | 3 | Senior Design II (Spring only)                |
| ___                      | METC | 4513 | 3 | Fluid Mechanics                               |
| ___                      | THEO |      | 3 | Theological Engagement Elective               |
| ___                      |      |      | 3 | Civic Engagement Elective                     |

**TOTAL HOURS 125**

1: Minimum grade of 'C' required.

