

## B.S. Electrical Engineering Technology Degree (TEET)

*This is not an official list of degree requirements. Adjustments may be required due to curriculum changes.*

### First Year

#### Fall

| Course                                            | Prerequisite | Credit    |
|---------------------------------------------------|--------------|-----------|
| ENG 1101 Engineering Analysis and Problem Solving | ≥MA1031(c)   | 3         |
| MA 1032 Precalculus                               | placement    | 4         |
| CS 1121 Intro to Programming I                    | ≥MA1031(c)   | 3         |
| PSY 2000 Intro to Psychology                      | none         | 3         |
| UN 1015 Composition                               | none         | 3         |
| <b>Total</b>                                      |              | <b>16</b> |

#### Spring

| Course                                | Prerequisite | Credit    |
|---------------------------------------|--------------|-----------|
| EET 1121 Circuits I                   | ≥MA1031      | 3         |
| EET 1122 Circuits I Lab               | ≥MA1031      | 1         |
| PH 1140 Applied College Physics       | ≥MA1031      | 3         |
| PH 1111 College Physics Lab           | ≥MA1031      | 1         |
| MA 1161 Calculus w/ Technology I      | ≥MA1031      | 5         |
| SAT 1610 Computer and OS Architecture |              | 3         |
| <b>Total</b>                          |              | <b>16</b> |

### Second Year

#### Fall

| Course                                  | Prerequisite | Credit    |
|-----------------------------------------|--------------|-----------|
| EET 2121 Circuits II                    | EET1121      | 3         |
| EET 2122 Circuits II Lab                | EET1122      | 1         |
| EET 2233 Electrical Machinery           | EET1121      | 4         |
| EET 2411 Digital Electronics            | EET1121      | 3         |
| MA 2160 Calculus w/ Technology II       | ≥MA1160      | 4         |
| EssEd: Activities for Wellbeing&Success |              | 1         |
| <b>Total</b>                            |              | <b>16</b> |

#### Spring

| Course                                  | Prerequisite | Credit    |
|-----------------------------------------|--------------|-----------|
| EET 3131 Sensors and Instrumentation    | EET2121      | 3         |
| EET 2150 Applied Math for Eng. Tech.    | MA2160(c)    | 3         |
| EET 2142 Digital Design and Modeling    | EET2411      | 3         |
| EssEd: Arts & Culture                   |              | 3         |
| EssEd: Intercultural Competency         |              | 3         |
| EssEd: Activities for Wellbeing&Success |              | 1         |
| <b>Total</b>                            |              | <b>16</b> |

### Third Year

#### Fall

| Course                                     | Prerequisite | Credit    |
|--------------------------------------------|--------------|-----------|
| EET 3225 Analog Electronic Circuits        | EET2121      | 4         |
| EET 3373 Intro to Programmable Controllers | EET2121      | 3         |
| SAT 2343 Network Administration I          | none         | 3         |
| MA 3710 Engineering Statistics             | MA2160       | 3         |
| EssEd: SHAPE                               |              | 3         |
| <b>Total</b>                               |              | <b>16</b> |

#### Spring

| Course                                                      | Prerequisite | Credit    |
|-------------------------------------------------------------|--------------|-----------|
| EET 3281 Electronic Project Development and Troubleshooting | EET3225      | 3         |
| EET 4233 Power Electronics and Drive                        | EET2233      | 3         |
| EET 4373 Advanced Programmable Controllers                  | EET3373      | 4         |
| OSM 4300 Project Management                                 | none         | 3         |
| EssEd: Experience                                           |              | 3         |
| <b>Total</b>                                                |              | <b>16</b> |

### Fourth Year

#### Fall

| Course                                          | Prerequisite | Credit    |
|-------------------------------------------------|--------------|-----------|
| EET 4460 Senior Project I                       | EET3131      | 3         |
| EET 4999 Professional Practice in EET           | none         | 1         |
| EET 4253 Data Acquisition and Signal Processing | EET3131      | 3         |
| EET 4144 Real-Time Robotics Systems             | EET2121      | 4         |
| EssEd: Communication Intensive                  |              | 3         |
| EssEd: Activities for Wellbeing&Success         |              | 1         |
| <b>Total</b>                                    |              | <b>15</b> |

#### Spring

| Course                     | Prerequisite | Credit    |
|----------------------------|--------------|-----------|
| EET 4480 Senior Project II | EET4460      | 3         |
| Technical elective         | varies       | 3         |
| Technical elective         | varies       | 3         |
| Technical elective         | varies       | 3         |
| <b>Total</b>               |              | <b>12</b> |

**Grand Total = 120 + 3 Credits**