## ELECTRICAL ENGINEERING MAJOR

## Plan of Study

A typical, full-time, four-year plan of study appears below. Some variation may be possible. Students should always discuss their individual plan of study with their advisor prior to registering for courses.

| Course | Title | Credits |
| :--- | :--- | ---: |
| First Year |  |  |
| Fall |  | 3 |
| ENGR 1031 | Fundamentals of Engineering |  |
| MATH 1141 | Calculus I for Chemistry, Engineering, and <br> Physics Majors | 4 |
| PHYS 1171 | General Physics I | 3 |
| PHYS 1171L | General Physics I Lab | 1 |
| History Orientation Tier ${ }^{1}$ | 3 |  |
| Modern/Classical Language Orientation Tier ${ }^{5}$ | 3 |  |
|  | Credits | 17 |
| Spring |  | 3 |
| CPSC 1131 | Fundamentals of Programming | 3 |
| ENGR 2130 | Engineering Graphics I | 3 |
| ENGL 1001 | Introduction to Rhetoric and Composition | 3 |
| MATH 1142 | Calculus II for Chemistry, Engineering, and | 4 |
| PHYS 1172 | Physics Majors | General Physics II |
| PHYS 1172L | General Physics II Lab | 3 |
|  | Credits | 1 |

## Second Year

Fall

| ELEG 2213 | Introduction to Electric Circuits | 3 |
| :--- | :--- | ---: |
| ELEG 2213L | Electric Circuits Lab | 1 |
| MATH 2243 | Calculus III for Chemistry, Engineering, and <br>  <br>  <br> History or Philosophy or Religious Studies Exploration Tier ${ }^{2}$ | 4 |
| Natural Science Elective (with lab) | 3 |  |
|  | Credits | 4 |


| Spring |  |  |
| :--- | :--- | ---: |
| CPEG 2245 | Digital Design I | 3 |
| CPEG 2245L | Digital Design I Lab | 1 |
| ELEG 2221 | Frequency Domain Circuit Analysis | 3 |
| ENGR 2145 | Mathematical Analysis | 3 |
| MATH 2251 | Ordinary Differential Equations | 3 |
| Behavioral and Social Sciences Exploration Tier ${ }^{3}$ | 3 |  |
|  | Credits | $\mathbf{1 6}$ |

## Third Year

Fall

| ELEG 3231 | Introduction to Electronics Circuits and <br> Devices | 3 |
| :--- | :--- | ---: |
| ELEG 3231L | Electronics Circuits Lab | 1 |
| ELEG 3301 | Signal and Systems I | 3 |



