

Electrical Engineering UG Curriculum Proposal

Showcase/Suggested Plan of Study

Please see the Courses section of this catalog for complete course descriptions.

| Freshman Year | | | |
|-----------------------|------------|---------------------------------------|--------------|
| <i>Fall Semester:</i> | Hrs | <i>Spring Semester:</i> | Hrs |
| ENGL 1010 | 3 | ENGR 1040 | 3 |
| ENGR 1011 | 1 | ENGR 1850 | 2 |
| ENGR 1030 | 3 | MATH 1920 | 3 |
| ENGR 1030L | 1 | MATH 1960 | 4 |
| CHEM 1110 | 3 | MATH 2200 | 3 |
| CHEM 1110L | 1 | ENGL 1020 | 3 |
| MATH 1950 | 4 | Gen Ed (Behavioral & Social Sciences) | 3 |
| | 16 | Total | 17(16) |

| Sophomore Year | | | |
|------------------------|--------------|--|--------------|
| <i>Fall Semester:</i> | Hrs | <i>Spring Semester:</i> | Hrs |
| ENEE 2250 | 3 | ENEE 2720 | 3 |
| ENEE 2700 | 3 | ENEE 2720L | 4 |
| ENEE 2700L | 4 | ENEE 2740 | 3 |
| ENEE 2710L | 1 | ENGR 2220 | 3 |
| ENGL 2810 or ENGL 2880 | 3 | ENGR 2460 Mech or 2480 Dynamics | 3 |
| MATH 2450 | 3 | MATH 2550 | 3 |
| PHYS 2310 | 3 | MATH 2560 | 4 |
| PHYS 2310L | 1 | Gen Ed (Behavioral & Social Sciences) | 3 |
| Total | 17 | Total | 16 |

| Junior Year | | | |
|---------------------------------|------------|--|--------------|
| <i>Fall Semester:</i> | Hrs | <i>Spring Semester:</i> | Hrs |
| ENEE 3250 | 3 | ENEE 4600 or ENEE 3770 | 3 |
| ENEE 3720 | 3 | ENEE 3790 | 3 |
| ENEE 3720L | 1 | ENEE 4720 | 3 |
| ENEE 3800 | 3 | ENGR 3050 | 3 |
| ENEE 3800L | 1 | Technical Elective | 3 |
| ENEE 3750 | 3 | EE Focus Elective | 3 |
| Gen Ed (Fine Arts & Humanities) | 3 | ENEE 4800 - Instrumentation | 3 |
| | | EE Lab Elective | 1 |
| | | Gen Ed (Behavioral & Social Sciences) | 3 |
| Total | 17 | Total | 16 |

| Senior Year | | | |
|---------------------------------|--------------|------------------------------|------------|
| <i>Fall Semester:</i> | Hrs | <i>Spring Semester:</i> | Hrs |
| ENGR 3850 | 3 | ENEE 4500 | 3 |
| ENEE 4750 | 3 | ENEE 4900 | 1 |
| ENEE 4700 | 3 | EE Elective | 3 |
| ENEE 4790 | 4 | EE Lab Elective | 1 |
| EE Focus Elective | 3 | Technical Elective | 3 |
| EE Focus Lab Elective | 1 | Gen Ed (Non-Western Culture) | 3 |
| EE Elective | 3 | | |
| Professional Elective | 3 | | |
| Gen Ed (Fine Arts & Humanities) | 3 | | |
| Total | 16 | Total | 13(14) |