## Electrical Engineering

### Freshman Fall
- **ECE 1400** Computer Programming 1
- **MATH 1210** Calculus 1

### Freshman Spring
- **ECE 1410** Computer Programming 2
- **ECE 2700** Digital Circuits

### Sophomore Fall
- **ECE 2250** Electrical Circuits 1
- **MATH 2210** Multivariable Calculus

### Sophomore Spring
- **ECE 2290** Electrical Circuits 2
- **ENGL 2010** Intermediate Writing

### Junior Fall
- **ECE 3620** Continuous-Time Sys. & Sig.
- **ECE 3710** Microcontrollers

### Junior Spring
- **ECE 3410** Microelectronics 1
- **ECE 3640** Discrete-Time Sys. & Sig.

### Senior Fall
- **ECE 4820** Electrical Engr. Design 1
- **EE ELECTIVE** See approved list

### Senior Spring
- **ECE 4840** Electrical Engr. Design 2
- **EE ELECTIVE** See approved list

### University Requirements
- English 1010 is a University requirement and is a prerequisite for English 2010. An English ACT score of 29+ or an SAT verbal score of 640+ will fulfill the English 1010 requirement.

### Pre-Professional Program (PPRU) Requirements
- Complete courses marked with an asterisk (*)
- No more than three total repeats for PPRU courses
- Minimum 2.8 PPRU GPA
- Minimum grade of C- for PPRU courses

### Professional Program (PP) Requirements
- No more than three total repeats for Professional Program courses
- Minimum 2.0 Professional GPA
- Up to 10 “D” credits are allowed (all other grades must be a C- or better)

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### Abbreviations:
- (CR) Credits
- (SEM) Semester
- (F) Fall
- (Sp) Spring
- (Su) Summer

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**DEPT. OF ELECTRICAL & COMPUTER ENGINEERING : ECE.USU.EDU**

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**TOTAL CREDITS REQUIRED 125**

**ACADEMIC YEAR 2022-23**
# Electrical Engineering Recommended Four-Year Curriculum

**College of Engineering**  
**Utah State University**

Any discrepancy between this chart and the 2022-23 General Catalog is resolved in favor of the General Catalog.

### ACADEMIC YEAR 2022-23

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
</tr>
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<tbody>
<tr>
<td><strong>Fall Semester</strong></td>
<td><strong>Spring Semester</strong></td>
<td><strong>Fall Semester</strong></td>
<td><strong>Spring Semester</strong></td>
</tr>
<tr>
<td>ECE 1400*</td>
<td>Computer Programming 1</td>
<td>ECE 1410*</td>
<td>Continuous-Time Systems &amp; Signals</td>
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<tr>
<td>4 Credits (MATH 1050 preq.)</td>
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<td>ECE 1400*</td>
<td>Electrical Circuits 1</td>
<td>ECE 2250*</td>
<td>Electical Circuits 2</td>
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<td>MATH 1210*</td>
<td>Calculus I</td>
<td>MATH 1220*</td>
<td>Linear Algebra</td>
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<td>BHU</td>
<td>Humanities</td>
<td>ECE 2700*</td>
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<tr>
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<td>American Institutions</td>
<td>PHYS 2210*</td>
<td>Physics I</td>
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<td>PHYS 2215*</td>
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<td>ENGL 2010*</td>
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</tbody>
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### Prerequisite (includes all color lines)
- Corequisite
- Fall and Spring
- Fall only course
- Spring only course

* Required for admission to Professional Program.  
~Apply for Professional Program after Year 2