Summary of Degree Requirements

128 Hours Total

A. Required Classes 63 Hours
B. Probability and Statistics 3 Hours
C. Technical Electives 32 Hours
D. General Education 18 Hours
E. Free Electives 12 Hours
Total 128 Hours

Minimum GPA requirements: 2.00 Cumulative Illinois grades
2.00 ECE classes (TGPA)
2.00 Semester

Probation and Drop Rules

<table>
<thead>
<tr>
<th>Probation Rule</th>
<th>Why you are on probation</th>
<th>To avoid being dropped</th>
<th>Drop Rule</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester GPA&lt;1.0 drop, no probation (except Freshmen, 1st semester)</td>
<td>Not possible</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>1A</td>
<td>Semester GPA &lt; 2.0 Cumulative GPA &gt; 2.0</td>
<td>Sem. GPA &gt; 2.0 next semester</td>
<td>17</td>
</tr>
<tr>
<td>1B</td>
<td>1.75 &lt; Cumulative GPA &lt; 2.0</td>
<td>Sem. GPA &gt; 2.25 next semester</td>
<td>17</td>
</tr>
<tr>
<td>1C</td>
<td>Cumulative GPA &lt; 1.75</td>
<td>Sem. GPA &gt;2.33 next semester</td>
<td>17</td>
</tr>
<tr>
<td>1E, 1G or 1H</td>
<td>Dean’s Prerogative “almost dropped, last chance”</td>
<td>Sem. GPA &gt; (value) next semester</td>
<td>18</td>
</tr>
<tr>
<td>1T</td>
<td>ECE GPA (TGPA) &lt; 2.0</td>
<td>Bring TGPA &gt; 2.0 next semester</td>
<td>18</td>
</tr>
<tr>
<td>1P</td>
<td>Departmental probation</td>
<td>Meet specified conditions</td>
<td>18</td>
</tr>
</tbody>
</table>

Junior Eligibility Rule

2.25 Rule | This is not a probation rule. However, you may not register for ECE 313, 329, 385, 440, etc. | Retake 2.25 Rule courses to bring their average over 2.25, see page 3. | None |
## Electrical Engineering Work Sheet
(See requirement details on following pages)

### September 2018

#### D. General Education Requirements
**HUM+SBS+Lib. Elec. ≥18 hrs**

<table>
<thead>
<tr>
<th>List your courses here:</th>
<th>Advanced Composition (Adv. Comp.)</th>
<th>Foreign Language (*)</th>
<th>Western (WCC)</th>
<th>Non-western (NW)</th>
<th>U.S. Minority (*)</th>
<th>Humanities (***)</th>
<th>Social / Behavioral Sciences (SBS)</th>
<th>Liberal Electives (****)</th>
</tr>
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<tbody>
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</tbody>
</table>

**Your Totals:**
- Required: 1 crs
- 3 lvls*
- 1 crs
- 1 crs
- 1 crs
- ≥ 6 hrs
- ≥ 6 hrs
- ≤ 6 hrs

#### B. Probability and Statistics
Choose ECE 313 or STAT 410

#### C. Tech Electives

<table>
<thead>
<tr>
<th>List your courses here:</th>
<th>3 of 5 Adv. Core</th>
<th>ECE Labs</th>
<th>ECE Tech Elective</th>
<th>Non ECE Tech Elective</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>

**Your Totals:**
- Required: 3 crs
- 3 crs
- 20 hrs
- 6 hrs
- 32 hrs

#### How Many Hours Do I Have Left?

<table>
<thead>
<tr>
<th>Total Hours Required per Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
</tr>
<tr>
<td>---</td>
</tr>
<tr>
<td>63</td>
</tr>
</tbody>
</table>

**Hours Left (after current semester):**
(See DARS degree audit online)

**Next Semester Hours per Category**

**New Totals Left per Category**

#### E. Free Electives – 12 hrs
6 hours must be taken for a grade.
Rules for credit: almost anything (see ECE website).

(*) Students must take 3 collegiate levels of one language or 3 years of one high school level language. Approval needed to count for Lib Ed hours (COE).

(**) Only for students admitted FA18 and after.

(***) The College of Engineering requires HUM+SBS+Lib. Elec. to total at least 18 hours. Certain courses can count towards more than one requirement. See Course Explorer.
# Electrical Engineering Curriculum

Note: These rules do not apply to the Computer Engineering Curriculum

**September 2018**

## A. Required Courses (63 hours)

### Core Courses Counted for the 2.25 Rule

You need a 2.25+ GPA average in these courses to register for third year ECE courses.

**Physics**
- PHYS 211 4 hours
- PHYS 212 4 hours
- PHYS 213 2 hours
- PHYS 214 2 hours

**Math**
- MATH 221 4 hours
- MATH 231 3 hours
- MATH 241 4 hours
- MATH 286 4 hours

**ECE**
- ECE 110 3 hours
- ECE 120 4 hours
- ECE 220 4 hours
- ECE 210 4 hours

**Chemistry, Rhetoric Courses, and ENG 100**
- CHEM 102/103 4 hours
- RHET 105 4 hours
- ENG 100 0 hours

**Upperclass ECE Courses**
- ECE 329 3 hours
- ECE 340 3 hours
- ECE 385 3 hours
- ECE 445* 4 hours

* For alternatives see: [http://www.ece.illinois.edu/students/ugrad/ece445-credit.html](http://www.ece.illinois.edu/students/ugrad/ece445-credit.html)

## B. Probability and Statistics (3 hours)

- ECE 313 3 hours
- or Stat 410 /Math 464
C. Technical Electives (32 hours)
All tech electives selected from the departmentally approved List of Technical Electives.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours/Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 of 5 EE Advanced Cores: ECE 310, 330, 342, 350, ECE391 or CS 225</td>
<td>3 courses</td>
</tr>
<tr>
<td>ECE Labs: Does not include ECE 385 or 445. See departmentally approved List of Technical Electives for lab options.</td>
<td>3 courses, at least one hardware lab</td>
</tr>
<tr>
<td>Additional ECE Tech Electives* Includes hours earned from the 3 of 5 and ECE Labs</td>
<td>20 hours</td>
</tr>
<tr>
<td>Non-ECE Tech Electives*</td>
<td>6 hours</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>32+ hours</strong></td>
</tr>
</tbody>
</table>

* The ECE Tech Elective and Non-ECE Tech Elective hour requirements alone do not total to 32 hours. Additional tech electives must be taken from the departmentally approved List of Technical Electives.

All courses **cross-listed** with ECE courses are counted as ECE hours. Cross-listed means the courses are the same in different departments. For example, GE 421 Intro to Robotics is the “same as” ECE 470, so it counts as an ECE tech elective. In CS 241 it says “Credit is not given for both CS 241 and ECE 391. They are not the same course; you won’t get any credit for CS 241.

**Restrictions and Notes:**

1) ECE/PHIL 316, Engineering Ethics, is a Campus Humanities course which meets the Comp II requirement. It does not count as an ECE Elective.

2) Some sections of ECE 199, 398, and 498 may not have technical content. These sections will not count as ECE electives.

3) Required ECE courses (e.g., ECE 329) do not count.

4) Courses for non-majors (e.g., ECE 205) do not count except by permission.

5) Students may use independent study courses as ECE elective hours: ECE 397 (Electrical and Computer Engineering Problems), ECE 396 (Honors Project)

Non-ECE tech elective hours:
ENG 491, Interdisciplinary Design Projects, approved sections. For ECE credit, go to 2120 ECEB.

**However**, no student may take more than 4 hours special problems with the same instructor, nor count more than a total of 6 hours towards graduation as a technical elective or a required advanced ECE course or lab, regardless of the department in which they are taken.

6) ECE 297 may be repeated once for a total of 2 hours of ECE tech electives, but it does not count as part of the 6 hours of independent study allowed for tech electives.