## Department of Electrical Engineering and Computer Science
### Electrical- Power & Energy Systems Concentration Catalog 2014

### Fall (15 hours)
- **Math 141 or 147 (4) FA, SP**
- **EF 151 or 157 (4) FA, SP**
- **CS 102 (4) FA, SP**
- **English 101 or 118 (3) FA, SP, SU**

### Coreq- Math 141 or 147 and EF 151 or 157 and Math 630 SAT

### Spring (15 hours)
- **Math 142 or 148 (4) FA, SP, SU**
- **EF 152 or 158 (4) FA, SP**
- **CS 102 or ECE 206 (4) FA, SP, SU**

### Coreq- English 101 or 118

### Fall (16 hours)
- **Math 231 (3) FA, SP, SU**
- **EF 151 or 157 (4) FA, SP**
- **EF 105 or CS 102 (4) FA, SP**
- **Math 251 or 257 (3) FA, SP, SU**
- **Physics 231 (3) FA, SP, SU**
- **Chem 120 or 128 (4) FA, SP, SU**
- **ECE 201 (3) FA, SP**

### Coreq- Math 141 or 147 and EF 151 or 157 or CS 102 or ECE 206

### Spring (15 hours)
- **Math 241 or 247 (4) FA, SP, SU**
- **CS 160 (4) FA, SP, SU**
- **Math 231 or 238 (4) FA, SP**
- **Physics 231 (3) FA, SP, SU**

### Coreq- Math 142 or 148 and EF 152 or 158

### Fall (16 hours)
- **ECE 315 (3) FA, SU**
- **ECE 325 (3) FA, SP**
- **ECE 336 (3) FA, SP**
- **ECE 341 or 347 (3) FA, SP**
- **ECE 351 (3) FA, SP**

### Coreq- ECE 300 or 202 and Math 241 or 247

### Spring (15 hours)
- **ECE 316 (3) FA, SP**
- **ECE 336 (3) FA, SP**
- **ECE 342 (3) FA, SP**
- **ECE 395 (1) FA, SP**
- **Gen. Ed. (3) FA, SP, SU**

### Coreq- Social Science and Arts & Humanities

### Fall (17 hours)
- **ECE Sr. Elective *(3) FA, SP, SU**
- **ECE Sr. Elective *(3) FA, SP, SU**
- **ECE Sr. Elective *(3) FA, SP, SU**
- **ECE Sr. Elective *(3) FA, SP, SU**
- **ECE Sr. Elective *(3) FA, SP, SU**

### Coreq- ECE 315 or 351 and ECE 401 or 402

### Spring (15 hours)
- **ECE Sr. Elective *(3) FA, SP, SU**
- **Tech. Elective*(3) FA, SP, SU**
- **Entrepreneurship Elect.(3) FA, SP**

### Coreq- ECE 315 or 351 and ECE 401 or 402

### Acceptable Senior ECE: Select 4 courses from the following ECE 325, 415, 421 or 427, 422, 481 or 487, 482, 521, 522, 523, or 525.

### Technical Electives: COSC 140, COSC 311 or MATH 300, COSC 370; CHEM 130/138; IE 405; MSE 201, MSE 410; ME 231, ME 321, ME 331, ME 344, NE 342 or NE 347.

### Progression

**The department requires at least a C in every computer engineering, computer science, electrical engineering, and mathematics course used for the undergraduate degrees. Students taking ECE 201 must also have a C or better in EF 152 or 158.**

The progression of departmental undergraduate students to the upper-division programs of the department is competitive and is based on the space available in the department. Factors considered in the decision include overall grade point average, grades earned in courses required in the lower division curricula of the department and College of Engineering, and seriousness of purpose and interest in departmental programs as exemplified by regular and orderly progress through the prescribed curriculum without abuse of withdrawal and course repeat privileges.

Students who take ECE 300 (now ECE 201-202) will be evaluated during the semester they are registered for it. Transfer students for whom ECE 300 (now ECE 201-202) transfer credit is given may take 9 semester hours in departmental courses before progression evaluation. All students, whether or not they transfer in, who are not accepted into the upper-division program of the department will be put in either a temporary probationary status or a non-progressed status and will not be permitted to register for any upper division courses within the department.

Students also have opportunities for an Honors Concentration and/or a five year BS/MS program. See the Undergraduate Catalog for details and requirements.

### UTRACK Milestones:

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Term 2</th>
<th>Term 3</th>
<th>Term 4</th>
<th>Term 5</th>
<th>Term 6 through 8</th>
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</thead>
<tbody>
<tr>
<td>Math 130 or higher or one SS or one AH or one CC</td>
<td>Math 130 or higher</td>
<td>EF 151/157 or Physics 135/137</td>
<td>EF 152/158 or Physics 136/138</td>
<td>ME 202 or CS 102 or MSE 201 or CBE 201</td>
<td>No Milestones</td>
</tr>
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