# Electrical and Energy Systems Concentration Catalog 2013

## Fall 2013
- **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**
- **Prereq- Math 130 or Math 28 ACT**
- **Coreq- Math 141 or 147 and EF 151 or 157 and Math 140 or SAT**
- **EF 105 or CS 102**

## Spring 2013
- **15 hours**
- **Math 142 or 148 (4) FA, SP**
- **EF 152 or 158 (4) FA, SP**
- **CS 102 or ECE 206**
- **English 102 (3) FA, SP, SU**
- **Prereq- English 101 or 118**

## Fall 2013
- **16 hours**
- **Math 231 (3) FA, SP, SU**
- **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**
- **Prereq- Math 141 or 147 and ECE 206**
- **Prereq- EF 152 or 158 and Math 130**
- **Prereq- CS 102 or ECE 206**
- **Prereq- English 101 or 118**

## Spring 2013
- **17 hours**
- **Math 241 or 247 (4) FA, SP, SU**
- **Physics 232 (4) FA, SP, SU**
- **ECE 313 or 317 (3) FA, SP**
- **ECE 202 (3) FA, SP**
- **Prereq- CS 102 or ECE 206**
- **Prereq- Physics 231**

## Fall 2013
- **16 hours**
- **ECE 315 (3) FA, SU**
- **ECE 325 (3) FA, SP**
- **ECE 335 (3) FA, SP**
- **ECE 341 or 347 (3) FA, SP**
- **ECE 395 (1) FA, SP**
- **Gen. Ed. (3) FA, SP, SU**
- **Arts and Humanities**
- **Gen. Ed. (3) FA, SP, SU**
- **Social Science**

## Spring 2013
- **15 hours**
- **ECE 316 (3) SP, SU**
- **ECE 336 (3) FA, SP**
- **ECE 342 (3) FA, SP**
- **Gen. Ed. (3) FA, SP, SU**
- **Social Science**
- **Gen. Ed. (3) FA, SP, SU**
- **Arts and Humanities**
- **Gen. Ed. (3) FA, SP, SU**
- **Cultures and Civilizations**

*Acceptable Senior ECE and Technical Electives: Select 5 courses from the following (15 hours) ECE 325, 415, 421 or 427, 422, 481 or 487, 482, 521, 522, 523, or 525.

## 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.

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 2013:

<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 130/137</td>
<td>EF 152/158 or Physics 136/138</td>
<td>MC 202 or CS 102 or MSE 201 or CBE 201</td>
<td>No Milestones</td>
</tr>
</tbody>
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