## UTRACK Milestones:

**Term 1**  
- Math 130 or higher or one SS or one AH or one CC

**Term 2**  
- Math 130 or higher

**Term 3**  
- EF 151 or 157 or Physics 135/137

**Term 4**  
- EF 152/158 or Physics 136/138

**Term 5**  
- ME 202 or CS 102 or MSE 201 or CBE 201

**Term 6 through 8**  
- No Milestones

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### Computer Engineering Catalog 2016

#### Department of Electrical Engineering and Computer Science

<table>
<thead>
<tr>
<th>Fall</th>
<th>15 hours</th>
<th>Spring</th>
<th>15 hours</th>
</tr>
</thead>
</table>
|      | Math 141 or 147 (4) FA, SP, SU  
Prereq-Math 130 or Math ACT 28  
or Math SAT 830  
 or EF 105 or CS 102  
 or English 101 or Math SAT 630  
 or Math 130 or CEEC 101 | EF 151 or 157 (4) FA, SP  
Prereq-Math 141 or 147  
 and EF 105 or CS 102  
 or EF 101 or Math SAT 630  
 or English 101 or Math SAT 630  
 or Math 130 or CEEC 101 | CS 102 (4) FA, SP  
Prereq-Math 141 or 147  
 or English 101 or Math SAT 630  
 or Math 130 or CEEC 101 |
|      | Math 142 or 148 (4) FA, SP, SU  
Prereq-Math 141 or 147  
 or English 101 or Math SAT 630  
 or Math 130 or CEEC 101 | EF 152 or 158 (4) FA, SP  
Prereq-English 101 or Math SAT 630  
 or Math 130 or CEEC 101 | CS 130 (4) FA, SP (formerly CS 168)  
Prereq-CS 102  
 or Math 130 or CEEC 101 |
|      | Math 231 (3) FA, SP, SU  
Prereq-Math 142 or 148  
 or English 101 or Math SAT 630  
 or Math 130 or CEEC 101 | ECE 201 (3) FA, SP, SU  
Prereq-Physics 201  
 or Math 130 or CEEC 101 | CS 146 (4) FA, SP  
Prereq-CS 130 (formerly CS 160)  
 or Math 130 or CEEC 101 |
|      | Math 241 or 247 (4) FA, SP  
Prereq-Math 142 or 148  
 or English 101 or Math SAT 630  
 or Math 130 or CEEC 101 | ECE 202 (3) FA,SP, SU  
Prereq- ECE 201 | Math 201 or 207 (3) FA, SP  
Prereq-Math 142 or 148 | Physics 232 (4) FA, SP, SU  
Prereq-Physics 231  
 or Math 130 or CEEC 101 |
|      | ECE 315 (3) FA, SP  
Prereq-Physics 201  
 or Math 130 or CEEC 101 | ECE 335 (3) FA, SP  
Prereq- ECE 201 | CS 302 or 307 (4) FA, SP  
Prereq-CS 140  
 or Math 130 or CEEC 101 | CS 312 or 317 (3) FA, SP  
Prereq-Physics 231  
 or Math 130 or CEEC 101 |
|      | CS 311 or 317 (3) FA, SP  
Prereq-CS 140 and Math 142 or 148 | CS 361 (3)  
Prereq-CS 130 and 302 or 307 | Upper Elective *(3) FA, SP, SU  
Prereq-Math 142 or 148 | Gen. Ed. (3) FA, SP, SU  
Arts and Humanities |
|      | ECE 401 (2) FA  
Prereq-ECE 315 or 351  
 or ECE 451 or 457 (3) FA, SP  
Prereq-ECE 205 | ECE 451 or 457 (3) FA, SP  
Prereq-ECE 205  
 or Upper Elective *(3) FA, SP, SU  
Prereq-ECE 205 | Upper Elective *(3) FA, SP, SU  
Prereq-Math 142 or 148 | Gen. Ed. (3) FA, SP, SU  
Arts and Humanities |
|      | ECE 402 (OC&W&C)(3)SP  
Prereq- ECE 401  
 or Upper Elective*(3) FA, SP, SU  
Prereq-ECE 401 | Upper Elective *(3) FA, SP, SU  
Prereq-ECE 205  
 or Gen. Ed. (3) FA, SP, SU  
Arts and Humanities | Upper Elective *(3) FA, SP, SU  
Prereq-ECE 205  
 or Gen. Ed. (3) FA, SP, SU  
Arts and Humanities | Gen. Ed. (3) FA, SP, SU  
Arts and Humanities |

**Fall 16 hours**  

<table>
<thead>
<tr>
<th>Fall 17 hours</th>
<th>Spring 15 hours</th>
</tr>
</thead>
</table>
| Math 231 (3) FA, SP, SU  
Prereq-Math 142 or 148 | CS 146 (4) FA, SP  
Prereq-CS 130 (formerly CS 160)  
 or Math 130 or CEEC 101 |
| ECE 201 (3) FA, SP, SU  
Prereq- Physics 201  
 or Math 130 or CEEC 101 | CS 302 or 307 (4) FA, SP  
Prereq-CS 140  
 or Math 130 or CEEC 101 |
| ECE 315 or 351 (3) FA, SP  
Prereq-Physics 201  
 or Math 130 or CEEC 101 | CS 361 (3)  
Prereq-CS 130 and 302 or 307 | Upper Elective *(3) FA, SP, SU  
Prereq-Math 142 or 148 | Gen. Ed. (3) FA, SP, SU  
Arts and Humanities |
| ECE 402 (OC&W&C)(3)SP  
Prereq- ECE 401  
 or Upper Elective*(3) FA, SP, SU  
Prereq-ECE 401 | Upper Elective *(3) FA, SP, SU  
Prereq-ECE 205  
 or Gen. Ed. (3) FA, SP, SU  
Arts and Humanities | Upper Elective *(3) FA, SP, SU  
Prereq-ECE 205  
 or Gen. Ed. (3) FA, SP, SU  
Arts and Humanities | Gen. Ed. (3) FA, SP, SU  
Arts and Humanities |

**Spring 18 hours**  

<table>
<thead>
<tr>
<th>Fall 17 hours</th>
<th>Spring 15 hours</th>
</tr>
</thead>
</table>
| ECE 401 (2) FA  
Prereq-ECE 315 or 351  
 or ECE 451 or 457 (3) FA, SP  
Prereq-ECE 205 | Upper Elective *(3) FA, SP, SU  
Prereq-ECE 205  
 or Gen. Ed. (3) FA, SP, SU  
Arts and Humanities | Upper Elective *(3) FA, SP, SU  
Prereq-ECE 205  
 or Gen. Ed. (3) FA, SP, SU  
Arts and Humanities | Gen. Ed. (3) FA, SP, SU  
Arts and Humanities |
| ECE 402 (OC&W&C)(3)SP  
Prereq- ECE 401  
 or Upper Elective*(3) FA, SP, SU  
Prereq-ECE 401 | Upper Elective *(3) FA, SP, SU  
Prereq-ECE 205  
 or Gen. Ed. (3) FA, SP, SU  
Arts and Humanities | Gen. Ed. (3) FA, SP, SU  
Arts and Humanities | Gen. Ed. (3) FA, SP, SU  
Arts and Humanities |

**Term 4**  

<table>
<thead>
<tr>
<th>Term 5</th>
<th>Term 6 through 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math 130 or higher or one SS or one AH or one CC</td>
<td>No Milestones</td>
</tr>
</tbody>
</table>

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**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 (ECE 201-202) will be evaluated during the semester they are registered for it. Transfer students for whom ECE 300 (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.

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