### Department of Electrical Engineering and Computer Science

#### Computer Engineering Catalog 2019

<table>
<thead>
<tr>
<th>Fall 15 hours</th>
<th>Spring 15 hours</th>
<th>Fall 16 hours</th>
<th>Spring 17 hours</th>
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<tbody>
<tr>
<td>Math 141 or 147 (4) FA, SP, SU</td>
<td>EF 151 or 157 (4) FA, SP</td>
<td>CS 102 (4) FA, SP, SU*</td>
<td>English 101I10 or 198 or 131 (3) FA, SP, SU**</td>
<td>Math 142 or 146 (4) FA, SP, SU</td>
<td>EF 152 or 158 (4) FA, SP, SU</td>
<td>CS 130 (4) FA, SP, SU**</td>
<td>English 102 or 290 or 122 (3) FA, SP, SU**</td>
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<tr>
<td>Prepar. Math 130 or Math ACT 28 or Math SAT 630</td>
<td>Prepar. EF 150 or 157</td>
<td>Prepar. CS 102</td>
<td>101 Regular; 118 Honors; 198 Chancellor Honors Only, 131 English as Second Language</td>
<td>Prepar. Math 141 or 147</td>
<td>Prepar. EF 150 or 157</td>
<td>Prepar. CS 102</td>
<td>102 Prepar. 101 or 118, 290 Prepar.AP 101 credit</td>
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<tr>
<td><strong>Core Elective (3) FA, SP</strong></td>
<td><strong>Senior Elective (3) FA, SP</strong></td>
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<td>Cultures and Civilizations</td>
<td>Gen. Ed. (3) FA, SP, SU**</td>
<td>Gen. Ed. (3) FA, SP, SU**</td>
<td>Gen. Ed. (3) FA, SP, SU**</td>
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### Requirements

**Beginning students** who have had high school computer science and/or who have had significant programming experience (e.g., summer institute study, special research projects, home laboratory) are invited to apply during the summer to the

### Program Requirements

- **Core Electives** are suggested for students admitted into the Five Year BA/MS program. Up to 2 (two) COSC 5XX or ECE 5XX courses may count as core and/or senior electives.

- **Senior Electives** are chosen with your advisor's consent. Acceptable senior electives are ECE 4XX and COSC 4XX courses that are not otherwise required.

### Progression

- 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 6-8 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-progression 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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**Notes:**

- **Core electives:** must choose 2 courses from within the following list: COSC 340, COSC 361, COSC 366, ECE 433, ECE 493, ECE 495. Other courses not currently listed may count as core electives only with departmental approval.

- 500 level courses are mentioned as suggestions to students admitted into the Five Year BA/MS program. Up to 2 (two) COSC 5XX or ECE 5XX courses may count as core and/or senior electives.

- **Senior Electives:** choose 9 credit hours of computer engineering senior electives with your advisor's consent. Acceptable senior electives are ECE 4XX and COSC 4XX courses that are not otherwise required.

- 500 level courses are mentioned as suggestions to students admitted into the Five Year BA/MS program. Up to 2 (two) COSC 5XX or ECE 5XX courses may count as core and/or senior electives.

- 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 6-8 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-progression status and will not be permitted to register for any upper division courses within the department.

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