## Computer Science Catalog 2018

### Fall
- **CS 102 (4) FA, SP, SU**
  - Coreq: Math 141 or 147
  - Prereq: Math 130 or Math ACT 28 or Math SAT 630
- **Math 141 or 147 (4) FA, SP, SU**
- **EF 151 or 157 (4) FA, SP**
  - Coreq: Math 141 or 147
- **English 101/118 or 198 or 131 (3) FA, SP, SU**
  - Coreq: Math 141 or 147
  - Prereq: Math 130 or Math ACT 28 or Math SAT 630
  - 101 Regular; 118 Honors; 198 Chancellor Honors Only; 131 English as Second Language

### Spring
- **CS 130 (4) FA, SP, SU**
  - Coreq: Math 141 or 147
  - Prereq: Math 130 or Math ACT 28 or Math SAT 630
- **Math 142 or 148 (4) FA, SP, SU**
- **EF 152 or 158 (4) FA, SP, SU**
- **English 102 or 290 or 298 or 132 (3) FA, SP, SU**
  - Coreq: Math 142 or 148
  - Prereq: CS 102
  - 102 Prereq 101 or 118; 290 Prereq AP 101 credit; 298 Prereq Chancellor Honors only & 198; 132 Prereq 131 ESL

### Fall
- **CS 140 (4) FA, SP**
  - Coreq: Math 141 or 147
  - Prereq: Math 130 or Math ACT 28 or Math SAT 630
- **Math 241 or 247 (4) FA, SP, SU**
- **Biology 101 or 150/158 FA, SP (3-4)**

### Spring
- **CS 302 or 307 (4) FA, SP**
  - Coreq: Math 141 or 147
  - Prereq: Math 130 or Math ACT 28 or Math SAT 630
- **CS 311 or 317 (5) FA, SP**
  - Coreq: Math 142 or 148
  - Prereq: CS 140

### Fall
- **CS 360 or 367 (4) FA, SP**
  - Coreq: Math 141 or 147
  - Prereq: Math 130 or Math ACT 28 or Math SAT 630
- **CS 312 (3) FA, SP**
  - Coreq: Math 142 or 148
  - Prereq: CS 140
- **CS Upper Division Elective** (3) FA, SP, SU
- **CS Upper Division Elective** (3) FA, SP, SU
- **CS Upper Division Elective** (3) FA, SP, SU
- **English 355 or 360 (WC) (3) FA, SP, SU**
  - Coreq: Math 142 or 148
  - Prereq: ENGL 102 or 118

### Spring
- **CS 402 (3) OC & WC SP**
  - Coreq: Math 142 or 148
  - Prereq: CS 302 or 307
- **CS Upper Division Elective** (3) FA, SP, SU
- **CS Upper Division Elective** (3) FA, SP, SU
- **Gen. Ed. (3) FA, SP, SU**
  - Arts and Humanities

### Fall
- **CS 401 (2) FA, SP**
  - Coreq: Math 142 or 148
  - Prereq: CS 302 or 307
- **CS Upper Division Elective** (3) FA, SP, SU
- **CS Upper Division Elective** (3) FA, SP, SU
- **CS Upper Division Elective** (3) FA, SP, SU
- **General Elective (3) FA, SP, SU**
  - Arts and Humanities

### Spring
- **CS 340 (3) FA, SP**
  - Coreq: Math 142 or 148
  - Prereq: CS 302 or 307
- **CS 361 (3) SP**
  - Coreq: Math 142 or 148
- **CS Upper Division Elective** (3) FA, SP, SU
- **CS Upper Division Elective** (3) FA, SP, SU
- **General Elective (3) FA, SP, SU**
  - Arts and Humanities

### Fall
- **CS 461 (2) FA, SP**
  - Coreq: Math 142 or 148
  - Prereq: CS 360
- **CS Upper Division Elective** (3) FA, SP, SU
- **CS Upper Division Elective** (3) FA, SP, SU
- **CS Upper Division Elective** (3) FA, SP, SU
- **English 355 or 360 (WC) (3) FA, SP, SU**
  - Coreq: Math 142 or 148
  - Prereq: ENGL 102 or 118

### Spring
- **CS 462 (3) (OC & WC) FA, SP**
  - Coreq: Math 142 or 148
  - Prereq: CS 401
  - 102 Prereq 101 or 118; 290 Prereq AP 101 credit; 298 Prereq Chancellor Honors only & 198; 132 Prereq 131 ESL
  - Any course on the transcript not already used in the DARS audit.

The following list shows an acceptable set of electives that may be taken to satisfy the upper division electives for the CS major. The electives have been grouped into 7 suggested tracks. The tracks group related electives that a student may wish to take in order to achieve a level of expertise in the indicated area. However, it is not mandatory to take any track and students are free to mix and match courses from different tracks to fit their specific interests:


Computer Science 493 and 494 may be taken to satisfy the upper division electives. Up to two (2) Computer Science 5xx or Electrical Computer Engineering 5xx courses may count as upper division electives.

### Progression
The department requires at least a C in every computer engineering, computer science, electrical engineering, and mathematics course used for the undergraduate degrees.

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 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>
</tr>
</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 150/157 or Physics 135/137</td>
<td>EF 152/158 or Physics 136/138</td>
<td>CS 202 or CS 102 or MSE 201</td>
<td>No Milestones</td>
</tr>
</tbody>
</table>