# Computer Science Catalog 2013

## Fall
- **CS 102** (4) FA, SP
  - Math 141 or 147 (4) FA, SP, SU
  - Physics 135 or 137 (4-5) FA
  - English 101 or 118 (3) FA, SP, SU
  - 15-16 hours

  **Prereq:** Math 130 or Math ACT 28 or Math SAT 630
  **Coreq:** Math 141 or 147

## Spring
- **CS 160** (4) FA, SP
  - Math 142 or 148 (4) FA, SP, SU
  - Physics 135 or 137 (4-5) FA
  - English 101 or 118 (3) FA, SP, SU
  - 15-16 hours

  **Prereq:** CS 102
  **Prereq:** Math 141 or 147

### Theory
- CS 440, 482;
- **Systems:**
  - CS 456, 462, ECE 453, 454;
- **Software:**
  - CS 340, 461, 465;
- **Hardware:**
  - ECE 451, 455;
- **Scientific Computing:**
  - CS 370 or 377, 471, 472, Math 231;
- **Artificial Intelligence:**
  - CS 420 or 427, 425, ECE 471

## Fall
- **CS 140** (4) FA, SP
  - Math 241 or 247 (4) FA, SP, SU
  - Biology 101 FA, SU or 120 FA, SP, SU or Chemistry 100 FA, SP, SU or Physics 231 FA, SP, SU
  - 15-16 hours

  **Prereq:** CS 102
  **Prereq:** Math 141 or 147

## Spring
- **CS 160** (4) FA, SP
  - Math 142 or 148 (4) FA, SP, SU
  - Physics 135 or 137 (4-5) FA
  - English 101 or 118 (3) FA, SP, SU
  - 15-16 hours

  **Prereq:** CS 102
  **Prereq:** Math 141 or 147

## Fall
- **CS 302 or 307** (4-5) FA, SP
  - Math 251 or 257 (2) FA, SP, SU
  - Gen. Ed. (3) FA, SP, SU
  - Arts and Humanities
  - 15-16 hours

  **Prereq:** CS 102

## Spring
- **CS 307** (3) SP
  - 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
  - Gen. Ed. (3) FA, SP, SU
  - Arts and Humanities
  - 13 hours

  **Prereq:** CS 302

## Fall
- **CS 360 or 367** (4) FA, SP
  - ECE 313 (3) FA, SP
  - CS Upper Division Elective (3) FA, SP, SU
  - Gen. Ed. (3) FA, SP, SU
  - Cultures and Civilizations
  - Social Science
  - 16 hours

  **Prereq:** CS 160 or 302

## Spring
- **CS 367 (3)** SP
  - CS Upper Division Elective (3) FA, SP, SU
  - Gen. Ed. (3) FA, SP, SU
  - Cultures and Civilizations
  - Any course on the transcript not already used in the DARS audit
  - 15 hours

  **Prereq:** CS 302

## Fall
- **CS 401 (2)**
  - CS Upper Division Elective (2) FA, SP, SU
  - CS Upper Division Elective (2) FA, SP, SU
  - English 355 or 360 (WC) (3) FA, SP, SU
  - Gen. Ed. (3) FA, SP, SU
  - Social Science
  - 17 hours

  **Prereq:** CS 360

## Spring
- **CS 402 (3) SP (OC & WC)**
  - 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
  - 15 hours

  **Prereq:** CS 401

### 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 2013:
- **Term 1:**
  - Math 130 or higher or one SS
  - or one AH or one CC
  - Math 130 or higher

- **Term 2:**
  - EF 151/157 or Physics 136/137

- **Term 3:**
  - EF 152/158 or Physics 136/138

- **Term 4:**
  - ME 202 or CS 102 or MSE 201
  - or CBE 201

- **Term 5:**
  - No Milestones

- **Term 6 through 8:**
  - No Milestones