**Computer Science Program**

**Catalog 2016/2017 – 120 Hours**

**Mathematics – 17 hours**
- MAC 2281 (4 hrs) Engineering Calculus I
- MAC 2282 (4 hrs) Engineering Calculus II
- EGN 4450 (2 hrs) Intro to Linear Systems
- MAC 2283 (4 hrs) Engineering Calculus III
- EGN 3443 (3 hrs) Prob and Statistics for Engineers

**Science – 14 hours**
- FKL Natural Sciences Electives (6 hrs)
- PHY 2048/2048L Physics I w/ Lab (4 hrs)
- PHY 2049/2049L Physics II w/ Lab (4 hrs)

**General Education requirements**
- FKL Social and Behavioral Sciences – 6 hrs
- FKL Humanities – 6 hrs (one course with HHCP)
- FKL Fine Arts – 3 hrs
- FKL Human and Cultural Diversity in a GC – 3 hrs
- Foreign Lang – 8 hrs (or 2 years high school)

**Upper Level elective**
Upper-Level Humanities, Social Sciences, or Fine Arts elective (3 hrs)

**Exit requirements**
- CIS 4250 (3 hrs – FKL capstone) Ethical Issues and Professional Conduct (Senior Standing in Department pre-req)
- ENC 3246 (3 hrs) Communications for Engineers

**Industry internship**
An industry internship is recommended for the third summer. Credit can be earned as CIS 4940 Industry Internship. See the Department Advisor for more information.

**Notes**
1) Unless otherwise stated, the minimum acceptable grade in all BSCS required math, science, and engineering courses is a C or higher (C- is insufficient). The minimum acceptable grade in specialization courses is a C-, except as stated in the program admission and continuation requirements in the catalog. See the undergraduate catalog.

2) A student may substitute a second "Physical Science" course for the required "Life Science" course. See the undergraduate catalog.

3) COP 4530 is the minimum prerequisite for most software electives, some software electives have COP 3331 as the prerequisite. CDA 3201 with lab is the minimum prerequisite for most hardware electives. COP 4530 and COT 3100 are the minimum prerequisites for theory electives. See the undergraduate catalog.

**Departmental Electives**
- Hardware, Software, Theory (15 hrs)

**Software Electives (6 hrs)**

**Theory Elective (3 hrs)**

**Note:** Department website lists elective courses by category. Should also consult with Department advisor.