Computer Science Program
Catalog 2011/2012 – 120 Hours

NOTE: This flow chart is provided as a guide; the catalog is the only definitive source of requirements.

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

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

**English – 6 Hours**
- ENC 1101 (3 hrs) Composition I
- ENC 1102 (3 hrs) Composition II

**FKL Natural Sciences Electives (6 hrs)**
- EGN 3000 (1 hr) Foundations of Engineering
- COP 2510 (3 hrs) Programming Concepts
- COP 3514 (3 hrs) Program Design
- COP 3331 (3 hrs) Object Oriented Design
- COT 4400 (3 hrs) Algorithms (Theory course)

**FKL Humanities – 6 hrs**
- COT 3100 (3 hrs) Discrete Structures

**General Education requirements**
- FKL Social and Behavioral Sciences – 6 hrs
- FKL Humanities – 6 hrs
- Fine Arts – 3 hrs
- Human Cultural Diversity and 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 Computer Ethics (3 hrs – FKL capstone) - Senior Standing in Department
- ENC 3246 Communications for Engineers (3 hrs)

**Note**
- Data Structures is prerequisite for all software electives. Logic Design is prerequisite for all hardware courses. Discrete Structures and Data Structures are prerequisite for all theory courses. See catalog for specific prerequisites for theory and elective courses.