Computer Science Program
Catalog 2010/2011 – 120 Hours

NOTE: This flow chart is only 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
- PHY 2048/2048L Physics I w/Calc/Lab (4 hrs)
- PHY 2049/2049L Physics II w/Calc/Lab (4 hrs)

Science – 14 hours
- FKL Natural Sciences Electives (6 hrs)
- COP 2510 (3 hrs) Programming Concepts
- EGN 3000 (1 hr) Foundations of Engineering
- COP 3514 (3 hrs) Program Design
- COT 3100 (3 hrs) Discrete Structures
- COP 3331 (3 hrs) Object Oriented Design
- COP 4530 (3 hrs) Data Structures
- COP 4600 (3 hrs) Operating Systems
- COT 4400 (3 hrs) Algorithms (Theory course)

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)

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

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.

Departmental Electives
- Hardware, Software, Theory (15 hrs)
- CDA 3201/3201L (4 hrs) Computer Logic Design & Lab
- CDA 4205 (3 hrs) Computer Architecture
- Departmental Electives

Software Electives (6 hrs)
- Software Electives

Theory Elective (3 hrs)
- Theory Elective

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