Requires a 3.0 average in Calculus I & II, Physics I & II with Labs, and Composition I & II.

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
- MAC 2284 (4 hrs) Engineering Calculus IV
- MAP 2302 (3 hrs) Diff Eqns or EGN 3433 (3 hrs) Model and Analysis

Science – 15 hours
- FKL Natural Sciences Elective (3 hrs)
- CHM 2045 (4 hrs) Gen. Chem w/Lab
- PHY 2048/2048L Physics I w/Lab (4 hrs)
- PHY 2049/2049L Physics II w/Lab (4 hrs)

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

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

Electives (3 hrs)

Possible hardware electives (3 credit hours each)
- CDA 4253 – FPGA Design and Analysis
- CDA 4621 – Control of Mobile Robots
- CIS 4930 – Advanced VLSI System Design
- CIS 4930 – VLSI Design Automation
- CIS 4930 – Testing/Fault Tolerance Digital Sys
- CIS 4930 – Introduction to Embedded Systems
- CIS 4930 – Digital Circuit Synthesis

There may be other offerings. See Department advisor for all available options.

Exit requirements
- CIS 4250 Ethical Issues and Professional Conduct (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 elective courses.

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

* Taking MAP 2302 is probably best if seeking a Math minor – see the Department advisor

Version 1.00 (Christensen – June 16, 2014)