Requires a 3.1 average in Calculus I & II, Physics I & II with Labs, and Composition I & II

Science – 14 hours
- Natural Science Electives (6 hrs)
- COP 2510 (3 hrs) Programming Concepts
- EGN 3443 (3 hrs) Prob and Statistics for Engineers
- PHY 2049/2049L Physics II w/ Lab (4 hrs)
- MAC 2283 (4 hrs) Engineering Calculus III

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
- EGN 3103 (3 hrs) Computer Organization
- COP 3514 (3 hrs) Program Design
- CDA 3201/3201L (4 hrs) Computer Logic Design w/ Lab
- COP 4530 (3 hrs) Data Structures
- CDA 4205 (3 hrs) Computer Architecture
- COP 4600 (3 hrs) Operating Systems
- CEN 4020 (3 hrs) Software Engineering
- COT 3100 (3 hrs) Discrete Structures
- CIS 4250 (3 hrs) Ethical Issues and Prof Conduct

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

General Electives (6 hrs)

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.

Additional requirements
- Gen Ed Social Science (3 hrs)
- Gen Ed Humanities (3 hrs)
- Gen Ed Human and Cultural Diversity in GC (3 hrs)
- ENC 3246 Communication for Engineers (3 hrs)
- Foreign Lang (8 hrs or 2 years high school)

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.
4) See Department advisor for coverage for 1 hour elective.

Notes:
- COP 2510, CDA 3103, and COP 3514 with a minimum grade of B based on best attempts in each course. These requirements must be met with a maximum of two attempts allowed for each course. See the undergraduate catalog.

General Electives (6 hrs)

Software Electives (6 hrs)

Theory Elective (3 hrs)