Curriculum Flow Chart for the Computer Science in Engineering Major

Semester 1
- MATH 220 or 221
- Science Elective²
- CS 100

Semester 2
- MATH 231
- PHYS 211
- CS 173
- CS 125

Semester 3
- MATH 241
- PHYS 212
- CS 210³

Semester 4
- MATH 415
- Advanced or Tech¹
- CS 225

Semester 5
- CS 361
- Advanced or Tech¹
- CS 233

Semester 6
- MATH 220 or 221
- Science Elective²
- CS 210³
- Advanced or Tech¹

Semesters 7 and 8
- Team Elective¹
- Advanced or Tech¹
- Advanced or Tech¹
- Advanced or Tech¹

GEN ED and COLLEGE OF ENGINEERING REQUIREMENTS

- 4hrs – Comp I
- 3hrs – Advanced Comp
- 0hrs – ENG 100
- 4hrs – Science Elective
- 10hrs – Physics Sequence (PHYS 211 & 212)
- 3hrs – Non-Western
- 3hrs – Western
- 6hrs – Humanities & the Arts
- 6hrs – Social & Behavioral Sciences
- 6hrs – Liberal Education Electives
- 3rd Level Language Requirement

Note: There are areas where a class may count in multiple areas. Contact an advisor for additional information.

A line from one course to another below it indicates that the first course is a prerequisite for the second, concurrent enrollment acceptable where there are arrows.

¹ A total of eight (8) electives are required: Six (6) CS Technical, one of must satisfy the team project requirement. See department website for up to date listings. Two (2) Advanced courses at the 400-level in any field. Check the listed link to ensure that you complete the requirements for your selected focus area with your technical CS electives: https://cs.illinois.edu/academics/degree-program-options/bs-computer-science-engineering

² One (1) Science elective. Check the listed link to ensure that you complete the updated requirement for Science electives: http://cs.illinois.edu/academics/undergraduate/degree-program-options/bs-computer-science-engineering/science-electives-cs

³ CS 210 may be taken during semester 3 or later.

⁴ If credit is earned for CS 225 and not yet taken CS 126, students must instead take CS 242 to meet degree requirements.