

Curriculum Plan: Engineering Computer Science

Name: _____ UIN: _____ Date: _____

General Education Requirements

- _____ ENG 100
- _____ Composition 1
- _____ Advanced Composition
- _____ 3hrs Western
- _____ 3hrs Non-Western
- _____ 3hrs Humanities & the Arts
- _____ 3hrs Humanities & the Arts
- _____ 3hrs Social and Beh. Science
- _____ 3hrs Social and Beh. Science
- _____ 3hrs Liberal Ed. Electives
- _____ 3 hrs Liberal Ed. Electives
- _____ 3rd Level Language

Math & Science

- _____ MATH 220 or 221
- _____ MATH 231
- _____ MATH 241
- _____ MATH 415
- _____ MATH 461, 463, CS 361 or STAT 400
- _____ CHEM 102 & 103
- _____ PHYS 211
- _____ PHYS 212
- _____ PHYS 213 or 214

Computer Science Courses

- _____ CS 100 Freshman Orientation
- _____ CS 125 Intro to Computer Science
- _____ CS 173 Discrete Structures
(Prereq CS 101 or CS 125 + CALC)
- _____ CS 210 Ethical & Professional Issues
(Prereq CS 225)
- _____ CS 225 Data Structures
(Prereq CS 125 & CS 173)
- _____ CS 233 Computer Architecture
(Prereq CS 125 & CS 173 + (CS 225 or concurrent))
- _____ CS 241 System Programming
(Prereq CS 225 + (CS 233 or concurrent))
- _____ CS 242 Programming Studio
(Prereq CS 241)
- _____ CS 357 Numerical Methods I
(Prereq 1-- CS course, MATH 225 or 415 & MATH 241)
- _____ CS 374 Algorithms & Models of Comp
(Prereq CS 173 & CS 225)
- _____ CS 421 Progrmg Languages & Compilers
(Prereq CS 233 & CS 374)

Prerequisites means you should have a successful grade earned before continuing.

8 Technical Electives (Minimum 6 CS courses Required Plus 2 more 400-level courses in CS or ANY field)

- _____ CS tec elec
- _____ CS tec elec
- _____ CS tec elec
- _____ CS tec elec
- _____ CS tec elec
- _____ CS tec elec/team project
- _____ CS tec elec or 400 level in ANY Dept
- _____ CS tec elec or 400 level in ANY Dept

Check list of requirements for your selected focus area: <https://wiki.cites.illinois.edu/wiki/display/undergradProg/CS+Track+Requirements>

One of the 6 CS courses must satisfy the team project requirement.

Additional Notes

- _____ 128 hours required for graduation

***Some courses are offered fall-only or spring-only. Be sure to plan ahead!

***Working ahead in your CS coursework does not guarantee entrance into the next CS course.

