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 Progmmg 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.***