## Curriculum Plan: Engineering Computer Science (students who entered Fall 2013 or after)

**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
- Science Elective—see CS Dept website for options
- PHYS 211
- PHYS 212

### Computer Science Courses
- CS 100  Freshman Orientation
- CS 125  Intro to Computer Science
- CS 126 Software Design Studio*  
  (Prereq CS 125)
- CS 173  Discrete Structures  
  (Prereq 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 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  Progrmng Languages & Compilers  
  (Prereq CS 233 & CS 374)

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

* Students who entered before 2016 take CS 242

### 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.