# Curriculum Plan: Engineering Computer Science (student who entered prior Fall 2013)

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
- 3hrs 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  Progrmmg Languages & Compilers
  (Prereq CS 233 & CS 374)

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

## 5 CS Technical Electives
- CS tec elec
- CS tec elec
- CS tec elec
- CS tec elec
- CS tec elec  (Unless you took courses CS 373 & 473)

## Capstone Seminar
At least one of the following:
- CS 499 Senior Thesis
- CS 492 Senior Project I, and either CS 493 Senior Project II ACP or CS 494 Senior Project II
- CS 427 Software Engineering I, and either CS 428 Software Engineering II or CS 429 Software Engineering II ACP

## 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.**