### Curriculum Plan: Statistics & Computer Science (students who entered prior to Fall 2016)

#### General Education Requirements
- Composition 1
- Advanced Composition
- 3hrs Western
- 3hrs Non-Western
- 3hrs Humanities & the Arts
- 3hrs Humanities & the Arts
- 3hrs Social and Behavior Science
- 3hrs Social and Behavior Science
- 3hrs Natural Sciences & Technology
- 3hrs Natural Sciences & Technology
- 4th Level Language

#### Computer Science Courses
- CS 100 Freshman Orientation
- CS 125 Intro to Computer Science
- CS 173 Discrete Structures
  - (Prereqs CS 125 + CALC)
- CS 225 Data Structures
  - (Prereqs CS 125 & CS 173)
- CS 233 Computer Architecture
  - (Prereqs CS 125 & CS 173 + (CS 225 or concurrent))
- CS 241 System Programming
  - (Prereqs CS 225 + (CS 233 or concurrent))
- CS 242 Programming Studio
  - (Prereq CS 241)
- CS 357 Numerical Methods I
  - (Prereqs 1 -- CS course, MATH 225 or 415 & MATH 241)
- CS 374 Algorithms & Models of Comp
  - (Prereqs CS 173 & CS 225)
- CS 421 Progrmng Languages & Compilers
  - (Prereqs CS 233 & CS 374) or CS 423 Operating Systems Design (Prereq CS 241)
- CS 411 Database Systems (Prereq CS 225) CS 418 Interactive Computer Graphics (Prereqs CS 225, MATH 225 or 415 & 241) or CS 446 Machine Learning (Prereq CS 374 & CS 440)

#### Additional Notes
- 120 hours required for graduation

Prerequisites means you should have a successful grade earned before continuing on to the next course.

*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.

***CS 421 is recommended over CS 423

Recommended but NOT Required

(one of the following)
- CS 427 and either 428 or 429
- CS 492 and either 493 or 494
- CS 499 (usually 2 semesters)

LAS General Education Distribution Requirements: [http://www.las.illinois.edu/students/requirements/gened/](http://www.las.illinois.edu/students/requirements/gened/)