## Curriculum Plan: Statistics & Computer Science (students who entered Fall 2016 and after)

### General Education Requirements
- 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 Natural Sciences & Technology
- 3hrs Natural Sciences & Technology
- 4th Level Language

### Math & Statistic Courses
- MATH 220 or 221
- MATH 231
- MATH 241
- MATH 415
- MATH 347, 441, 444 or 447
- STAT 200 or CS 361
- STAT 400
- STAT 410
- STAT 428
- STAT 420, 424 or 425

### Computer Science Courses
- CS 100 Freshman Orientation
- CS 125 Intro to Computer Science
- CS 126 Software Design Studio (Prereq CS 125) (transfer students entering with CS 225 credit take CS 242 instead)
- 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 357 Numerical Methods I (Prereqs1 -- CS course, MATH 225 or 415 & MATH 241)
- CS 374 Algorithms & Models of Comp (Prereqs CS 173 & CS 225)
- CS 421 Progrmmg Languages & Compilers (Prereqs CS 233 & CS 374)
- CS 411 Database Systems (Prereq CS 225) CS 418 Interactive Computer Graphics (Prereqs CS 225, MATH 225 or 415 & MATH 241) or CS 446 Machine Learning (Prereqs CS 225 and a Probability/Stats course)

### 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/)