## 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 Courses

- MATH 220 or 221
- MATH 231
- MATH 241
- MATH 347
- MATH 415 or 416
- CS 361 or MATH 461 or STAT 400
- MATH 412 or 417
- MATH 444 or 447
- MATH 441, 446 or 484

## 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 (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 Progrmg Languages & Compilers (Prereq CS 233 & CS 374)
- CS 450 Numerical Analysis (Prereq CS 125, 357, or MATH 415, MATH 285) or CS 457 Numerical Methods II (Prereq CS 357)
- CS 498 DL 1 Theory II (will become CS 473) or CS 476, 477, 481 or MATH 414

## 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/geded/](http://www.las.illinois.edu/students/requirements/geded/)