Semester 1
- CS 124
- CS 100
- MATH 220 or 221
- LAS 101

Semester 2
- CS 128
- CS 173
- MATH 231

Semester 3
- CS 225
- CS 222
- MATH 241

Semester 4
- CS 233
- CS 240
- MATH 347

Semester 5
- CS 241
- CS tech*
- Group I
- Group II

Semester 6
- CS 374
- CS 374
- Group V
- Group III
- Group IV
- CS 357

Semesters 7 and 8
- CS 421
- Group V
- Group III
- Group IV
- CS 450
- Group II

Follow the College of LAS General Education & Language requirements

A line from one course to another indicates that the first course is a prerequisite for the second, concurrent enrollment acceptable where there are straight arrows. Curved arrows indicate courses can be taken in either order but should not be taken together.

Group I: CS 361, MATH 461, OR STAT 400/MATH 463

Group II: MATH 412, MATH/CS 413, MATH 417, or MATH 427

Group III: MATH 441, MATH 446, or MATH 484

Group IV: MATH 444, or MATH 447, or MATH 424

Group V: MATH 414, CS/MATH 473, CS/MATH 475, CS 476, CS 477

See course explorer for Group course prerequisites: https://courses.illinois.edu/

*CS tech must be 400-level CS above CS 403, excluding CS 421 and CS 491.
### General Education Requirements
- LAS 101/LAS 102 (int. students)
- Composition I
- Advanced Composition
- 4th Level Language (LOTE)
- 3hrs Humanities and the Arts
- 3hrs Humanities and the Arts
- 3hrs Social Behavioral Science
- 3hrs Social Behavioral Science
- 3hrs Natural Sciences & Technology
- 3hrs Natural Sciences & Technology

### Cultural Studies
- Western Culture
- Non-Western Culture
- US Minority Culture

### Math Courses
- MATH 220 5hrs, Calc or
  - MATH 221 4hrs, Calc I
- MATH 231 3hrs, Calc II
- MATH 241 4hrs, Calc III
- MATH 347 3hrs, Fund. Math or
  - MATH 348 3hrs, Fund Math (ACP)
- MATH 257 3hrs, Lin Alg w/Comp. Apps. (preferred) or
  - MATH 415 3hrs, Linear Algebra or
  - MATH 416 3hrs, Abstract Linear Algebra

### Computer Science Courses
- CS 100 1hr, Fresh. Orientation (Recommended)
- CS 124 3hrs, Intro to Computer Science I
- CS 128* 3hrs, Intro to Computer Science II
- CS 173** 3hrs, Discrete Structures
- CS 222* 1hr, Software Design Lab
- CS 225** 4hrs, Data Structures
- CS 240** 3hrs, Intro to Computer Systems
- CS tech*** 3hrs 400-level CS Elective
- CS tech*** 3hrs 400-level CS Elective
  - OR
- CS 233** 4hrs, Computer Architecture
- CS 241** 4hrs, Systems Programming
- CS 357** 3hrs, Numerical Methods
- CS 374** 4hrs, Algorithms & Models of Comp
- CS 421** 3hrs, Programming Languages and Compilers
- CS 450** 3hrs, Numerical Analysis

*Has prerequisites and/or co-requisite; See Course Explorer & if you have earned credit for CS 225, see a CS advisor

** Has prerequisites and/or co-requisite; See Course Explorer

***400 level above CS 403, excluding CS 421 and CS 491. These two courses must be distinct from all other courses used to fulfill program requirements or options.

### Additional Notes
To meet a course’s prerequisites you will need to have earned the listed prerequisite credit or be on path to earn the prerequisite credit before the course begins.

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.

### Graduation Requirements
- 120 hours required for graduation
- 60 residency hours required for graduation

### Student must select at least (6) 400 level Math courses and CS course, including (1) from each of the following groups:

- **Group I:** CS 361 (preferred), MATH 461, OR STAT 400/MATH 463
- **Group II:** MATH 412 (preferred), MATH/CS 413, MATH 417, or MATH 427
- **Group III:** MATH 441, MATH 446, or, MATH 484
- **Group IV:** MATH 424, MATH 444, OR MATH 447
- **Group V:** MATH 414, CS/MATH 473, CS/MATH 475, CS 476, CS 477

It is recommended that you work in concert with your assigned academic advisor to ensure you are on track to successfully complete your degree.