Curriculum Flow Chart for Computer Science + Linguistics

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.

*Stat Foundations: CS 361 (recommended), STAT 200, or STAT 212

**Linguistics Electives, 9hrs: See Linguistics Advisor for Course Selection

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

***CS tech must be 400-level CS above CS 403, excluding CS 421 and CS 491.
Curriculum Plan: Computer Science + LING Beginning Fall 2021

### General Education Requirements
- 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
  
*Completed with Linguistics Foundation Courses

### Math & Stat Courses
- MATH 220 5hrs, Calc I or
- MATH 221 4hrs, Calc I
- MATH 231 3hrs, Calc II
- MATH 257 3hrs, Lin Alg w/Comp. Apps. or
- MATH 225 2hrs, Into Matrix Theory

**STAT Foundations:**
  - CS 361 3hrs, STAT 200 or STAT 212

### 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 374** 4hrs, Algorithms & Models of Comp
- CS 421** 3hrs, Programing Languages and Compilers

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

**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.

### Linguistics Foundation:
- LING 100 3hrs, Intro to Language Science (SBS)
- LING Breadth, 3hrs**
- LING 301* 3hrs, Elements of Syntax (ACP)
- LING 307* 3hrs, Elements Semantics & Pragmatics
- LING 406* 3hrs, Intro to Computational Ling.

### Advanced Coursework, 9hrs**
  - LING/CS ______ 3/4hrs
  - LING ______ 3/4hrs
  - LING ______ 3/4hrs

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

**Consult with LING Advisor for course options and substitutions

### 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.

- 120 hours required for graduation
- 60 hours required for residency

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