Curriculum Flow Chart for Computer Science + Philosophy

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 (choose 1)*: CS 361 (recommended), STAT 200, or STAT 212

PHIL Elective I (choose 1)^: PHIL 425, 438, 439, or 472

PHIL Elective II (choose 3)^^^ Consult PHIL advisor for course options

**See course explorer for course prerequisites:** [https://courses.illinois.edu/](https://courses.illinois.edu/)

***CS tech must be 400-level CS above CS 403, excluding CS 421 and CS 491.

Students must consult with PHIL advisor for PHIL course planning starting 3rd semester.

This flowchart reflects a proposed ordering of Philosophy courses and availability of courses in a certain semester is not guaranteed.
### Curriculum Plan: Computer Science + PHIL 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 Philosophy Requirements

#### Math & Stat Courses
- MATH 220 5hrs, Calc 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

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#### 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 Computation
- CS 421** 3hrs, Programing Languages and Compilers

*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.

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#### Philosophy Requirements
- PHIL 222 3hrs, Phil Found of Comp Science (HUM)
- PHIL 223 3hrs, Minds and Machines (HUM)
- PHIL 421* 3hrs, Ethical Theories
- PHIL 426* 3hrs, Metaphysics or
  - PHIL 430* 3hrs, Theory of Knowledge
- PHIL 425* 3hrs, Phil of Mind, Phil of Language
- PHIL 439*3hrs, Phil of Mathematics, or Phil 477*3hrs, Phil of Psychology
- PHIL 454* 3hrs, Advanced Symbolic Logic
- PHIL 499* 3hrs, Capstone Seminar

#### Philosophy Electives: 9hrs *(Consult PHIL advisor for options)*
- PHIL _____ 3hrs
- PHIL _____ 3hrs
- PHIL _____ 3hrs

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

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**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

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