COMPUTER SCIENCE + PHILOSOPHY, BSLAS

for the degree of Bachelor of Sciences in Liberal Arts & Sciences Major in Computer Science + Philosophy

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Please see the computer science advisor as well as the philosophy advisor.

A Major Plan of Study Form must be completed and submitted to the LAS Student Affairs Office by the beginning of the fifth semester (60-75 hours).

General education: Students must complete the Campus General Education (https://courses.illinois.edu/) **requirements including the campus general education language requirement.**
Minimum required major and supporting course work: Normally equates to 71-73 hours. Twelve hours of 300- and 400-level Philosophy courses must be taken on this campus.
Minimum hours required for graduation: 120 hours

Code	Title	Hours
Required Computer Science Courses		
CS 100	Computer Science Orientation (recommended; CS 100 is an orientation course aimed at first-year students, so students who declare the major after the freshman year are not required to complete it.)	1
CS 124	Introduction to Computer Science I	3
CS 128	Introduction to Computer Science II	3
CS 173	Discrete Structures	3
CS 225	Data Structures	4
CS 222	Software Design Lab	1
Choose one of the following combinations		8-11
CS 233 & CS 341	Computer Architecture and System Programming	
OR		
CS 340	Introduction to Computer Systems	
& two CS courses at the 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.		
Choose one of the following:		
STAT 200	Statistical Analysis	
STAT 212	Biostatistics	
CS 361	Probability & Statistics for Computer Science	
CS 374	Introduction to Algorithms & Models of Computation	4
CS 421	Programming Languages & Compilers	3

Code	Title	Hours
Mathematics (may also fulfill the General Education Quantitative Reasoning I and II requirements)		
MATH 220	Calculus	4-5
or MATH 221	Calculus I	
MATH 225	Introductory Matrix Theory	2 or 3
or MATH 257	Linear Algebra with Computational Applications	
MATH 231	Calculus II	3
Required Philosophy coursework		
PHIL 222	Philosophical Foundations of Computer Science	3
PHIL 223	Minds & Machines	3
PHIL 421	Ethical Theories	3
Choose one of the following:		3
PHIL 426	Metaphysics	
PHIL 430	Theory of Knowledge	
Choose one of the following:		3
PHIL 425	Philosophy of Mind	
PHIL 438	Philosophy of Language	
PHIL 439	Philosophy of Mathematics	
PHIL 477	Philosophy of Psychology	
PHIL 454	Advanced Symbolic Logic	3
PHIL 499	Capstone Seminar	3
In consultation with an advisor, choose at least 9 additional hours of coursework in philosophy, with at least 6 of those hours being at the 300- or 400-level.		9
Total Hours		**68-74**

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Sample Sequence
This sample sequence is intended to be used only as a guide for degree completion. All students should work individually with their academic advisors to decide the actual course selection and sequence that works best for them based on their academic preparation and goals. Enrichment programming such as study abroad, minors, internships, and so on may impact the structure of this four-year plan. Course availability is not guaranteed during the semester indicated in the sample sequence.

Students must fulfill their Language Other Than English requirement by successfully completing a fourth level of a language other than English. See the corresponding section on the Degree and General Education Requirements page *(http://catalog.illinois.edu/general-information/degree-general-education-requirements/).*

First Year

First Semester	Hours	Second Semester	Hours
Free elective course	1	CS 128	3
CS 100	1	CS 173	3
CS 124	3	PHIL 223	3
PHIL 222	3	MATH 220 (or MATH 221)	3
Composition I or General Education course	4	General Education course or Composition I	3

First Semester	Hours	Second Semester	Hours
General Education Course	3		
	15		**15**
Second Year			
First Semester	**Hours**	**Second Semester**	**Hours**
CS 222	1	CS 233 (or CS 340)	3
CS 225	4	STAT 200 (or STAT 212 or CS 361)	3
MATH 225 (or MATH 257)	2	MATH 231	3
Language Other Than English (3rd level)	4	Language Other Than English (4th level)	4
General Education Course	3	General Education Course	3
	14		**16**
Third Year			
First Semester	**Hours**	**Second Semester**	**Hours**
CS 341 (or CS 400-level course)	4	CS 374	4
PHIL 426 (or PHIL 430)	3	CS 400-level course or Free elective course	3
PHIL 421	3	PHIL 400 - level course from list	3
PHIL course	3	PHIL 454	3
General Education Course	3	General Education Course	3
	16		**16**
Fourth Year			
First Semester	**Hours**	**Second Semester**	**Hours**
CS 421	3	PHIL 499	3
PHIL 300 - 400 level course	3	PHIL 300-400 level course	3
General Education Course	3	General Education Course	3
Free elective course	3	Free elective course	4
Free elective course	3		
	15		**13**

Total Hours 120

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CS + X Degrees (https://cs.illinois.edu/academics/undergraduate/degree-program-options/cs-x-degree-programs/#requirements)
CS + Philosophy (https://philosophy.illinois.edu/academics/undergraduate-studies/cs-philosophy-major/)

Department of Philosophy page (http://www.philosophy.illinois.edu/)

Overview of College Admissions & Requirements: Liberal Arts & Sciences (http://catalog.illinois.edu/schools/las/academic-units/) College of Liberal Arts and Sciences website (https://las.illinois.edu/)

The Grainger College of Engineering website (https://grainger.illinois.edu) Philosophy Advising (https://philosophy.illinois.edu/academics/undergraduate-studies/advising/)
Computer Science email (undergrad@cs.illinois.edu)

Please see the computer science advisor as well as the philosophy advisor.