COMPUTER SCIENCE + PHILOSOPHY, BSLAS

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

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 100</td>
<td>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.)</td>
<td>1</td>
</tr>
<tr>
<td>CS 124</td>
<td>Introduction to Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>CS 128</td>
<td>Introduction to Computer Science II</td>
<td>3</td>
</tr>
<tr>
<td>CS 173</td>
<td>Discrete Structures</td>
<td>3</td>
</tr>
<tr>
<td>CS 225</td>
<td>Data Structures</td>
<td>4</td>
</tr>
<tr>
<td>CS 222</td>
<td>Software Design Lab</td>
<td>1</td>
</tr>
</tbody>
</table>

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
- CS 421 Programming Languages & Compilers

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.

Total Hours 68-74

Information listed in this catalog is current as of 12/2022