COMPUTER SCIENCE AND PHILOSOPHY, BALAS

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

Computer science email: academic@cs.illinois.edu

Philosophy email: phildept@illinois.edu

Minimum required major and supporting coursework normally equates to 66 hours.

General education: Students must complete the Campus General Education requirements including the campus general education language requirement.

Twelve hours of 300- and 400-level courses in the major must be taken on this campus.

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).

Minimum hours required for graduation: 120 hours

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td></td>
<td><strong>Required Computer Science Courses:</strong></td>
<td>32-33</td>
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<tr>
<td>CS 100</td>
<td>Freshman Orientation (recommended) ¹</td>
<td>1</td>
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<tr>
<td>CS 125</td>
<td>Intro to Computer Science</td>
<td>4</td>
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<tr>
<td>CS 126</td>
<td>Software Design Studio</td>
<td>3</td>
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<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>
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<tr>
<td>CS 233</td>
<td>Computer Architecture</td>
<td>4</td>
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<tr>
<td>CS 241</td>
<td>System Programming</td>
<td>4</td>
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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 3 or 4

Mathematics (may also fulfill the General Education Quantitative Reasoning I and II requirements) 9-10

MATH 220 Calculus 5
or MATH 221 Calculus I
MATH 225 Introductory Matrix Theory 2
MATH 231 Calculus II 3

Required Philosophy coursework 12

PHIL 203 Ancient Philosophy 4
PHIL 206 Early Modern Philosophy 4
PHIL 421 Ethical Theories 3 or 4

Choose one of the following: 3

- PHIL 426 Metaphysics
- PHIL 430 Theory of Knowledge
- PHIL 454 Advanced Symbolic Logic 3 or 4
- PHIL 480, Capstone Seminar 3

In consultation with an advisor, choose 12 hours of philosophy courses, not more than one of which may be at the 100-level and at least two of which must be at the 300- or 400-level.

¹ 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.