COMPUTER SCIENCE + ECONOMICS, BSLAS

for the degree of Bachelor of Science in Liberal Arts and Sciences Major in Computer Science + Economics

Undergraduate Degree Programs in Economics
- Econometrics & Quantitative Economics, BSLAS (http://catalog.illinois.edu/undergraduate/las/econometrics-quantitative-economics-bslas/)
- Economics, BALAS (http://catalog.illinois.edu/undergraduate/las/economics-balas/)
- Computer Science & Economics, BSLAS (p. 1)

For further information, please visit the Economics undergraduate program page (http://www.economics.illinois.edu/undergrad/info/).

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Please visit the computer science advisor as well as the economics advising office.

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 66 hours. Twelve hours of 300- and 400-level in the major 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>
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<tr>
<td>CS 124</td>
<td>Introduction to Computer Science I</td>
<td>3</td>
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<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>
<tr>
<td>CS 233</td>
<td>Computer Architecture</td>
<td>8-11</td>
</tr>
<tr>
<td>CS 341</td>
<td>and System Programming</td>
<td></td>
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<tr>
<td>OR</td>
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<tr>
<td>CS 340</td>
<td>Introduction to Computer Systems</td>
<td>3</td>
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<tr>
<td>OR</td>
<td></td>
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<tr>
<td>&amp; 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.</td>
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Choose one of the following:

- ECON 202 Economic Statistics I
- 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 Economics Coursework -- minimum 24 hours
- ECON 102 Microeconomic Principles 3
- ECON 103 Macroeconomic Principles 3
- ECON 203 Economic Statistics II 3

Information listed in this catalog is current as of 11/2022
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 302</td>
<td>Inter Microeconomic Theory</td>
<td>3</td>
</tr>
</tbody>
</table>

Four 400-level courses in Economics selected from an approval list of computation-focused courses

**Total Hours**

66-71

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**computer science website:** [CS + X Degrees](https://cs.illinois.edu/academics/undergraduate/degree-program-options/cs-x-degree-programs/#requirements)

**economics website:** [CS + Economics](https://economics.illinois.edu/academics/undergraduate-program/majors-minor/cs-econ/)

**department page:** [https://economics.illinois.edu/](https://economics.illinois.edu/)

**overview of college admissions & requirements:** [Liberal Arts & Sciences](http://catalog.illinois.edu/schools/las/)

**college websites:** [https://las.illinois.edu/](https://las.illinois.edu/) and [https://grainger.illinois.edu](https://grainger.illinois.edu/)

**economics email:** econug@illinois.edu

**computer science email:** undergrad@cs.illinois.edu (academic@cs.illinois.edu)

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