COMPUTER SCIENCE + CROP SCIENCES, BS

for the degree of Bachelor of Science Major in Computer Science & Crop Sciences

crop sciences department website: https://cropsciences.illinois.edu/
computer science degree information: https://cs.illinois.edu/academics/undergraduate/degree-program-options/cs-x-degree-programs
overview of college admissions & requirements: Agricultural, Consumer & Environmental Sciences (http://catalog.illinois.edu/schools/aces/academic-units/#text)
college websites: https://aces.illinois.edu/ and https://engineering.illinois.edu
computer science email: undergrad@cs.illinois.edu
(academic@cs.illinois.edu)
crop sciences email: cropsciences@illinois.edu
(academic@cs.illinois.edu)

Please see the Computer Science advisor in 1210 Siebel Center, as well as the Crop Sciences advisor in AE-116 Turner Hall.

for the degree of Bachelor of Science Major in Computer Science & Crop Sciences

To graduate from the Computer Science and Crop Sciences curriculum, a student must complete the following courses, all of which must be taken for a traditional letter grade.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>RHET 105 &amp; CMN 101</td>
<td>Writing and Research &amp; Public Speaking</td>
<td>6-7</td>
</tr>
<tr>
<td>OR CMN 111 &amp; CMN 112</td>
<td>Oral &amp; Written Comm I &amp; II</td>
<td>3-4</td>
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Advanced Composition
Select from campus-approved list.

Cultural Studies
Select one course from Western culture, one from non-Western culture, and one from U.S. minority culture from campus approved lists.

Foreign Language
Coursework at or above the third level is required for graduation.

Quantitative Reasoning I
See Mathematical Foundations for specific requirement.

Quantitative Reasoning II
See Mathematical Foundations for specific requirement.

Natural Sciences and Technology
See Crop Sciences Core for specific requirement.

Humanities and the Arts
Select from campus-approved list.

Social and Behavioral Sciences
Select from campus-approved list.

ACES Required
ACES 101 Contemporary Issues in ACES

Computer Science Core
CS 100 Freshman Orientation (recommended)
CS 125 Intro to Computer Science
CS 126 Software Design Studio
CS 173 Discrete Structures
CS 225 Data Structures
CS 374 Introduction to Algorithms & Models of Computation
CS 421 Programming Languages & Compilers

Computer Science Technical Track
Choose from the following options:
CS 233 Computer Architecture
OR CS 240 Introduction to Computer Systems & Two CS 4XX Any two (2) 400-level CS courses except CS 491

Mathematical Foundations (fulfills Quantitative Reasoning I and II)
CS 361 Probability & Statistics for Computer Science
MATH 220 Calculus
or MATH 221 Calculus I
MATH 225 Introductory Matrix Theory
MATH 231 Calculus II

Crop Sciences Core
CPSC 102 Foundational Skills in Crop Sciences
CPSC 112 Introduction to Crop Sciences
CPSC 393 Crop Sciences Internship
CPSC 498 Crop Sci Professional Developmnt
Select two of the following:
CPSC 226 Introduction to Weed Science
CPSC 270 Applied Entomology
PLPA 204 Introductory Plant Pathology

Foundational Data Analytics
CPSC 440 Applied Statistical Methods I
And select one of the following:
CPSC 441 Introduction to R Programming
CPSC 444 Introduction to Spatial Analytics

Crop Sciences Electives
CPSC/HORT/PLPA 4XX At least one (1) 400-level CPSC/HORT/PLPA course
CPSC/HORT/PLPA XXX Any CPSC/HORT/PLPA course except CPSC 241

Total Hours 126

Information listed in this catalog is current as of 05/2020.