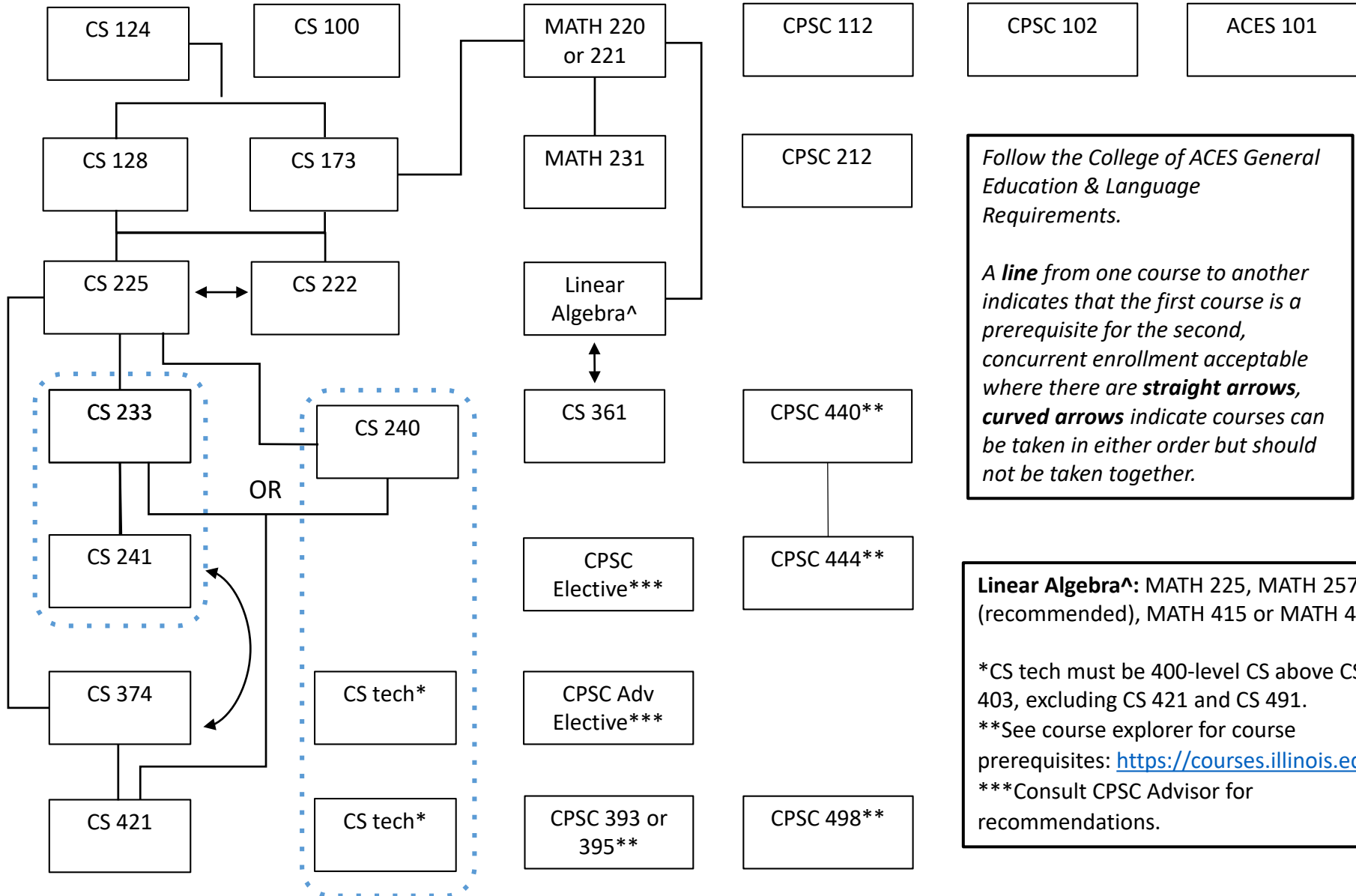


# Curriculum Flow Chart for Computer Science + Crop Sciences

- Semester 1
- Semester 2
- Semester 3
- Semester 4
- Semester 5
- Semester 6
- Semesters 7 and 8



*Follow the College of ACES General Education & Language Requirements.*

*A **line** from one course to another indicates that the first course is a prerequisite for the second, concurrent enrollment acceptable where there are **straight arrows**, **curved arrows** indicate courses can be taken in either order but should not be taken together.*

**Linear Algebra^:** MATH 225, MATH 257 (recommended), MATH 415 or MATH 416

\*CS tech must be 400-level CS above CS 403, excluding CS 421 and CS 491.

\*\*See course explorer for course prerequisites: <https://courses.illinois.edu/>

\*\*\*Consult CPSC Advisor for recommendations.

# Curriculum Plan: Computer Science + CPSC Beginning Fall 2021

<p>_____ ACES 101 Contemporary Issues in ACES</p> <p><b>General Education Requirements</b></p> <p>_____ Composition &amp; Speech RHET 105 + CMN 101 or CMN 111 + CMN 112</p> <p>_____ Advanced Composition</p> <p>_____ 3rd Level Language (LOTE)</p> <p>_____ 3hrs Humanities and the Arts</p> <p>_____ 3hrs Humanities and the Arts</p> <p>_____ 3hrs Social and Behavioral Science</p> <p>_____ 3hrs Social and Behavioral Science</p> <p>_____ 3hrs Natural Sciences &amp; Technology*</p> <p>_____ 3hrs Natural Sciences &amp; Technology</p> <p><b>Cultural Studies</b></p> <p>_____ Western Culture</p> <p>_____ Non-Western Culture</p> <p>_____ US Minority Culture</p> <p>*Completed with Crop Sciences Core Course</p>
<p><b>Math &amp; Stat Courses</b></p> <p>_____ MATH 220 5hrs, Calc or MATH 221 4hrs, Calc I</p> <p>_____ MATH 231 3hrs, Calc II</p> <p>_____ MATH 257 3hrs, Lin Alg w/Comp. Apps (preferred) MATH 225 2hrs, Into Matrix Theory or MATH 415 3hrs, Appl. Lin Alg or MATH 416 3hrs, Abstract Lin Alg</p> <p>_____ CS 361, Prob. &amp; Stat for CS, 3hrs</p>

<p><b>Computer Science Courses</b></p> <p>_____ CS 100 1hr, Fresh Orientation (<i>Recommended</i>)</p> <p>_____ CS 124 3hrs, Intro to Computer Science I</p> <p>_____ CS 128* 3hrs, Intro to Computer Science II</p> <p>_____ CS 173** 3hrs, Discrete Structures</p> <p>_____ CS 222* 1hr, Software Design Lab</p> <p>_____ CS 225** 4hrs, Data Structures</p>
<p>_____ <b>CS 240** 3hrs, Intro to Computer Systems</b></p> <p>_____ <b>CS tech*** 3hrs, 400-level CS Elective</b></p> <p>_____ <b>CS tech*** 3hrs, 400-level CS Elective</b></p> <p style="text-align: center;"><b>OR</b></p> <p>_____ <b>CS 233** 4hrs, Computer Architecture</b></p> <p>_____ <b>CS 241** 4hrs, Systems Programming</b></p>
<p>_____ CS 374** 4hrs, Algorithms &amp; Models of Comp</p> <p>_____ CS 421** 3hrs, Programing Languages and Compilers</p>
<p>*Has prerequisites and/or co-requisite; See Course Explorer &amp; if you have earned credit for CS 225, see a CS advisor</p> <p>** Has prerequisites and/or co-requisite; See Course Explorer</p> <p>***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.</p>
<p><b><i>It is recommended that you work in concert with your assigned academic advisor to ensure you are on track to successfully complete your degree.</i></b></p>

<p><b>Crop Sciences Core:</b></p> <p>_____ CPSC 102 2hrs, Foundational Skills in Crop Science</p> <p>_____ CPSC 112 4hrs, Introduction to Crop Science (NAT)</p> <p>_____ CPSC 212 4hrs, Introduction to Plan Protection</p> <p>_____ CPSC 393* 3hrs, Crop Science Intern or CPSC 395* Undergrad Research or Thesis</p> <p>_____ CPSC 498* 1hr, Crop Science Prof. Dev.</p> <p><b>Foundational Data Analytics</b></p> <p>_____ CPSC 440* 4hrs, Applied Statistical Methods I</p> <p>_____ CPSC 444 4hrs, Intro to Spatial Analytics</p> <p><b>Crop Science Electives, 6hrs (<i>Consult with CPSC Advisor for options</i>)</b></p> <p>_____ Crop Science Elective _____ (excluding CPSC 241)</p> <p>_____ Crop Science Elective _____ (400-level)</p> <p>*Has prerequisites and/or co-requisite; See Course Explorer</p>
<p><b>Additional Notes</b></p> <p>To meet a course's prerequisites you will need to have earned the listed prerequisite credit or be on path to earn the prerequisite credit before the course begins.</p> <p>Some courses are offered fall-only or spring-only. Be sure to plan ahead!</p> <p>Working ahead in your CS coursework does not guarantee entrance into the next CS course.</p> <p>_____ 126 hours required for graduation</p> <p>_____ 60 hours required for residency</p>