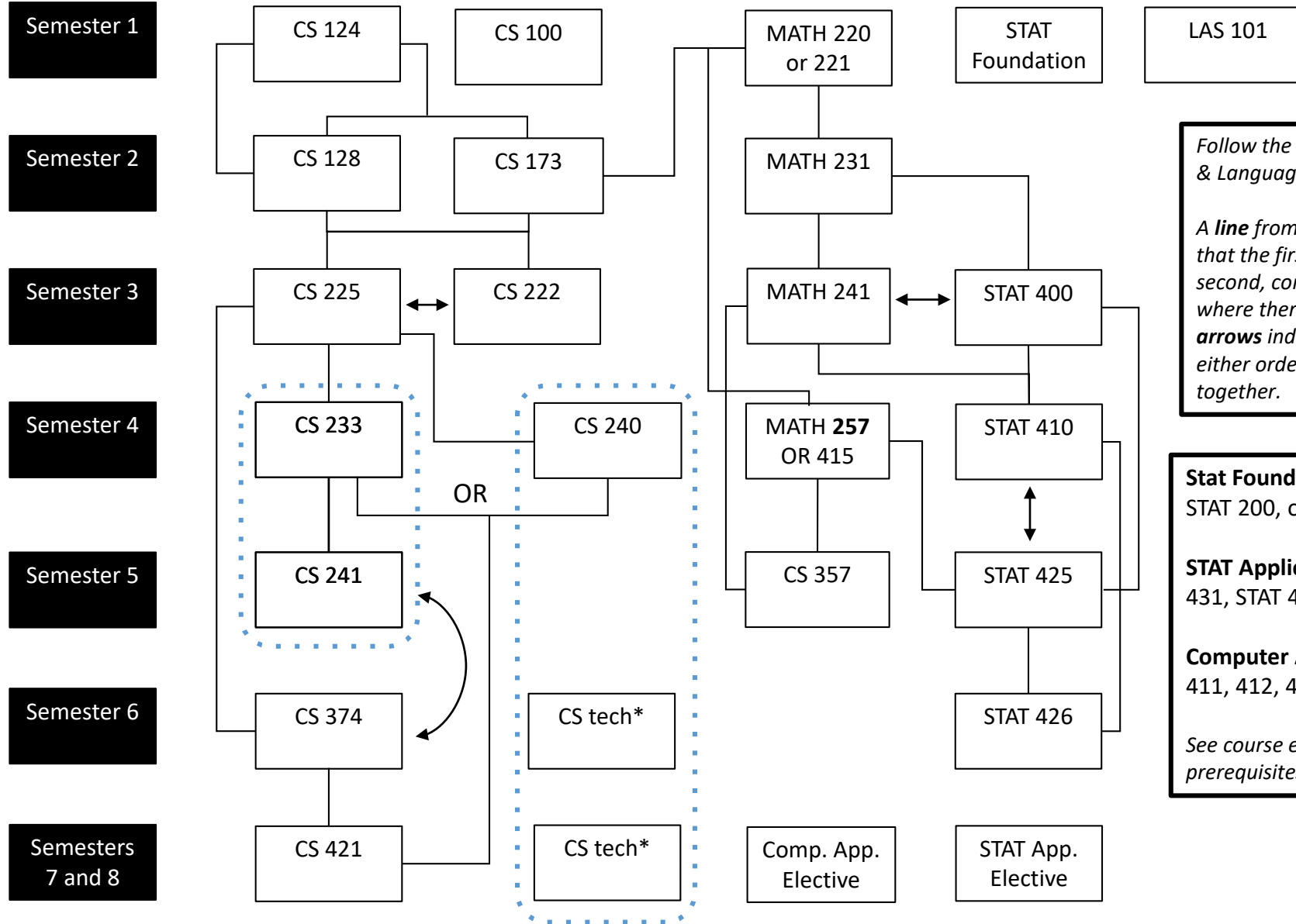


Curriculum Flow Chart for Statistics and Computer Science



Follow the College of LAS 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.

Stat Foundation: STAT 107 (recommended), STAT 200, or STAT 212

STAT Application Electives: STAT 428, STAT 431, STAT 432, STAT 440, STAT 448

Computer Application Electives: CS 410, 411, 412, 441, 446, 481, or 482

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

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

Curriculum Plan: Statistics and Computer Science Beginning Fall 2021

<p>_____ LAS 101/LAS 102 (int. students)</p> <p>General Education Requirements</p> <p>_____ Composition I</p> <p>_____ 4th Level Language (LOTE)</p> <p>_____ Advanced Composition</p> <p>_____ 3hrs Humanities and the Arts</p> <p>_____ 3hrs Humanities and the Arts</p> <p>_____ 3hrs Social Behavioral Science</p> <p>_____ 3hrs Social Behavioral Science</p> <p>_____ 3hrs Nat Sciences & Technology</p> <p>_____ 3hrs Nat Sciences & Technology</p> <p>Cultural Studies</p> <p>_____ Western Culture</p> <p>_____ Non-Western Culture</p> <p>_____ US Minority Culture</p>
<p>Additional Notes</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! Working ahead in your CS coursework does not guarantee entrance into the next CS course.</p> <p>_____ 120 hours required for graduation</p> <p>_____ 60 hours required for residency</p>

<p>Computer Science Courses</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>_____ CS 240** 3hrs, Intro to Computer Systems</p> <p>_____ CS tech*** 3hrs 400-level CS Elective</p> <p>_____ CS tech*** 3hrs 400-level CS Elective</p> <p style="text-align: center;">OR</p> <p>_____ CS 233** 4hrs, Computer Architecture</p> <p>_____ CS 241** 4hrs, Systems Programming</p>
<p>_____ CS 357** 3hrs, Numerical Methods</p> <p>_____ CS 374** 4hrs, Algorithms & Models of Comp</p> <p>_____ CS 421** 3hrs, Programing Languages and Compilers</p>
<p>*Has prerequisites and/or co-requisite; See Course Explorer & 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.</p> <p>These two courses must be distinct from all other courses used to fulfill program requirements or options.</p>
<p><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></p>

<p>Math & STAT Core Foundations</p> <p>_____ MATH 220 5hrs, Calc or</p> <p style="padding-left: 40px;">MATH 221 4hrs, Calc I</p> <p>_____ MATH 231 3hrs, Calc II</p> <p>_____ MATH 241 4hrs, Calc III</p> <p>_____ MATH 257 3hrs, Lin Alg w/Comp App or</p> <p style="padding-left: 40px;">MATH 415 3hrs, Linear Algebra</p> <p>_____ STAT 400 4hrs, Stats and Probability I</p> <p>_____ STAT 410 3hrs, Stats and Probability II</p> <p>_____ STAT 425 3hrs, Statistical Modeling I</p> <p>_____ STAT 426 3hrs, Statistical Modeling II</p>
<p>Students must complete at least one course from each of the following three groups:</p>
<p>Group I: Probability & Statistics Foundation</p> <p>_____ STAT 107, 200, or 212</p>
<p>Group II: Statistical Application Electives</p> <p>_____ STAT 428, 431, 432, 440, or 448</p>
<p>Group III: Computational Application Electives</p> <p>_____ CS 410, 411, 412, 441, 446, 481, or 482</p>