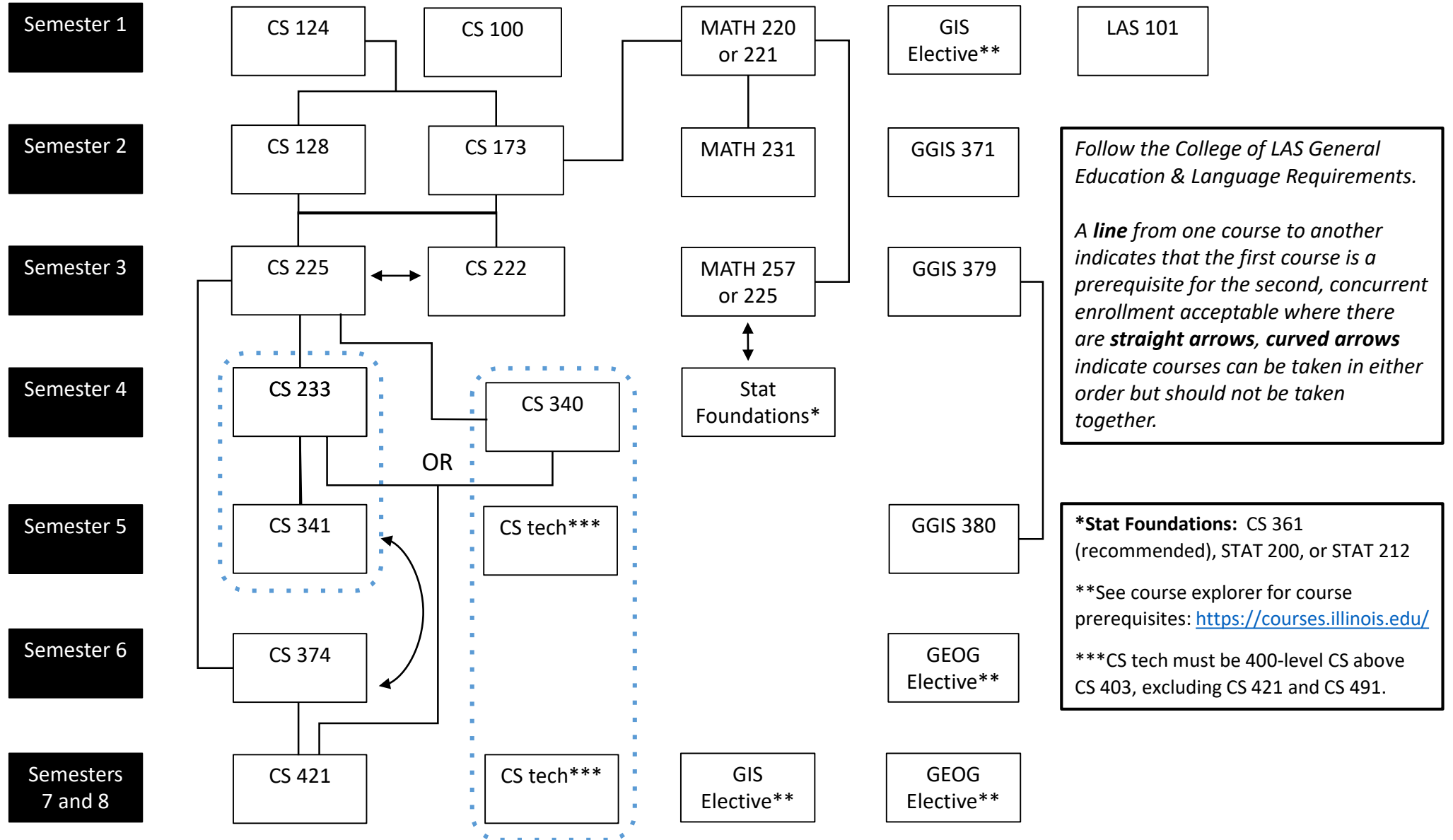


Curriculum Flow Chart for Computer Science + Geography & GIS



Curriculum Plan: Computer Science + GIS Beginning Fall 2022

<p>____ LAS 101/LAS 102 (int. students)</p> <p>General Education Requirements</p> <p>____ Composition I</p> <p>____ Advanced Composition</p> <p>____ 4th Level Language (LOTE)</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 Natural Sciences & Technology</p> <p>____ 3hrs Natural Sciences & Technology</p> <p>Cultural Studies</p> <p>____ Western Culture</p> <p>____ Non-Western Culture</p> <p>____ US Minority Culture</p>
<p>Math & Stat Courses</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. or MATH 225 2hrs, Into Matrix Theory</p> <p>____ STAT Foundations: CS 361** 3hrs, STAT 200 or STAT 212</p>

<p>Computer Science Courses</p> <p>____ CS 100 1hr, CS 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 340** 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 341** 4hrs, Systems Programming</p>
<p>____ CS 374** 4hrs, Algorithms & Models of Computation</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. These two courses must be distinct from all other courses used to fulfill program requirements or options.</p>

<p>Required GIS Courses</p> <p>____ GIS 371 4hrs, Spatial Analysis</p> <p>____ GIS 379 4hrs, Intro to GIS Systems</p> <p>____ GIS 380 4hrs, GIS II: Spatial Prob. Solving</p> <p>GIS Electives, 6hrs**</p> <p>____ GIS ____ 3/4hrs</p> <p>____ GIS ____ 3/4hrs</p> <p>GEOG Electives (Human and/or Physical), 6hrs**</p> <p>____ GIS ____ 3/4hrs</p> <p>____ GIS ____ 3/4hrs</p> <p>*Has prerequisites and/or co-requisite; See Course Explorer</p> <p>**Consult GIS Advisor</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. 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>____ 120 hours required for graduation</p> <p>____ 60 hours required for residency</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>