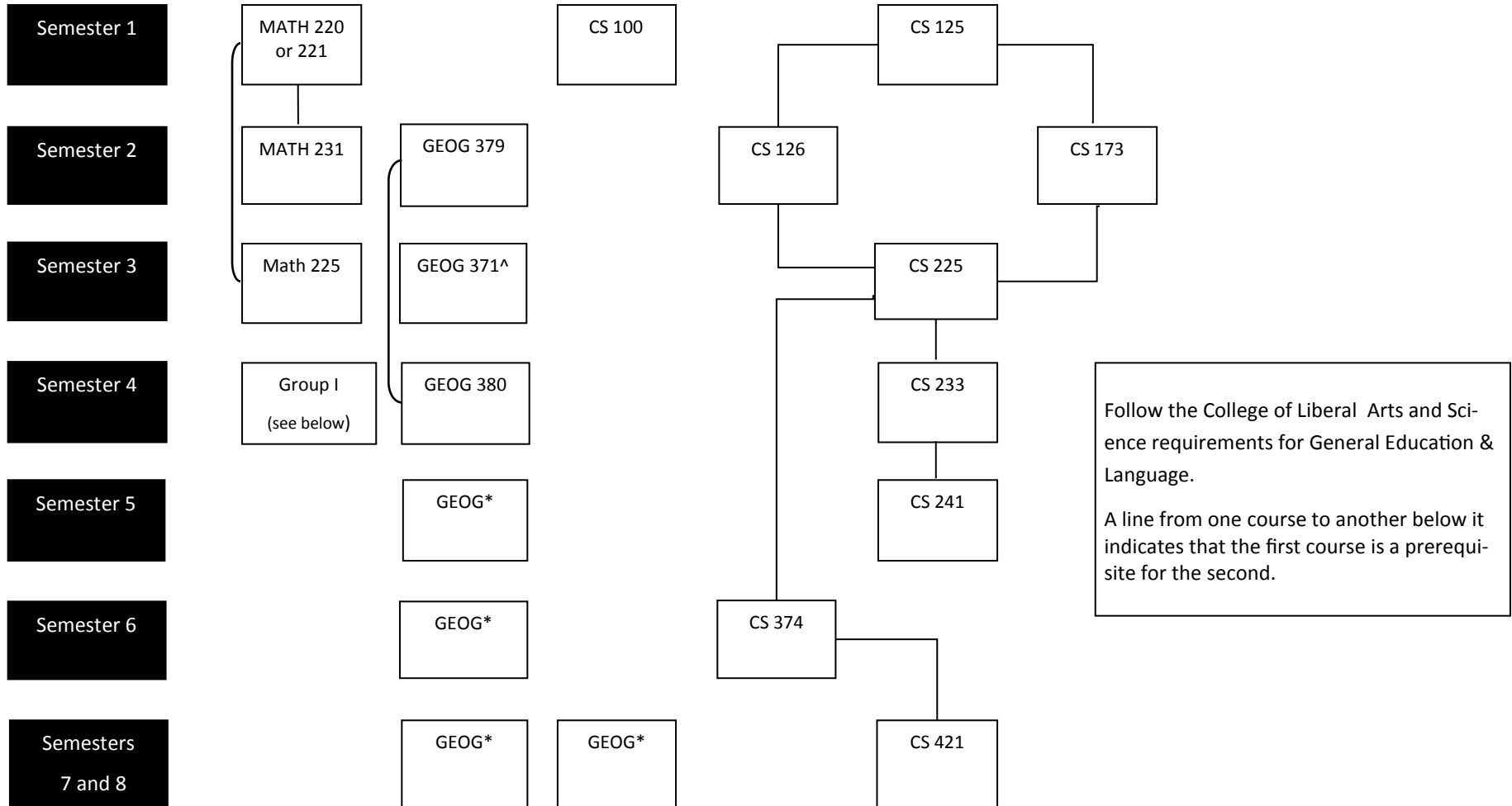


Curriculum Flow Chart for the Computer Science + GIS



Group I: CS 361 (preferred) or Stat 200 or STAT 212

*See approved list of GIS courses in programs of study and talk with a GIS advisor

^Denotes that course has a prerequisite, check Course Explorer

Curriculum Plan: CS + GIS, who entered Fall 2018 and after

Name: _____ UIN: _____ Date: _____

<p>____ LAS 100</p> <p>General Education Requirements</p> <p>____ Composition 1</p> <p>____ Advanced Composition</p> <p>____ 3hrs Western Cultures</p> <p>____ 3hrs Non-Western Cultures</p> <p>____ 3hrs US Minority Cultures (FA18 & after)</p> <p>____ 3hrs Humanities and the Arts</p> <p>____ 3hrs Humanities and the Arts</p> <p>____ 3hrs Social and Beh. Science</p> <p>____ 3hrs Social and Beh. Science</p> <p>____ 3hrs Natural Sciences & Technology</p> <p>____ 3hrs Natural Sciences & Technology</p> <p>____ 4th Level Language</p>	<p>Computer Science Courses</p> <p>____ CS 100 1hr, Freshman Orientation</p> <p>____ CS 125 4hrs, Intro to Computer Science</p> <p>____ CS 126* 3hrs, Software Design Studio (Prereq CS 125)</p> <p>____ CS 173 3hrs, Discrete Structures (CS 125 and CALC)</p> <p>____ CS 225 4hrs, Data Structures (Prereq CS 125 and CS 173)</p> <p>____ CS 233 4hrs, Computer Architecture (Prereq CS 125 and CS 173; CS 225)</p> <p>____ CS 241 4hrs, System Programming (Prereq CS 225; CS 233)</p> <p>____ CS 374 4hrs, Algorithms and Models of Comp (Prereq CS 173 and CS 225)</p> <p>____ CS 421 3hrs, Programing Languages and Compilers (Prereq CS 233 and CS 374)</p> <p>*Transfer students entering with CS 225 credit must take CS 242 instead of CS 126.</p>	<p>Math Courses</p> <p>____ MATH 220 5hrs, CALC or 221 CALC I 4hrs</p> <p>____ MATH 231 3hrs, CALC II</p> <p>____ MATH 225 2hrs, Intro Matrix Theory</p> <p>____ CS 361 3hrs, Probability and Statistics for Computer Science (preferred), STAT 200 or STAT 212</p> <hr/> <p>Required GIS Courses-Minimum of 24hours</p> <p>____ GEOG 371 4hrs, Spatial Analysis</p> <p>____ GEOG 379 4hrs, Intro to GIS Systems</p> <p>____ GEOG 380 4hrs, GIS II: Spatial Prob Solving</p> <p>Two GIS courses from approved list</p> <p>____ GEOG 3/4hrs, see approved list</p> <p>____ GEOG 3/4hrs, see approved list</p> <p>Two Human and/or Physical Geography courses</p> <p>____ GEOG human/physical 3/4hrs, see approved list</p> <p>____ GEOG human/physical 3/4hrs, see approved list</p> <p>____ 120 hours required for graduation</p>
<p>Additional Notes</p> <p>Prerequisites means you should have a successful grade earned before continuing on to the next course.</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>		