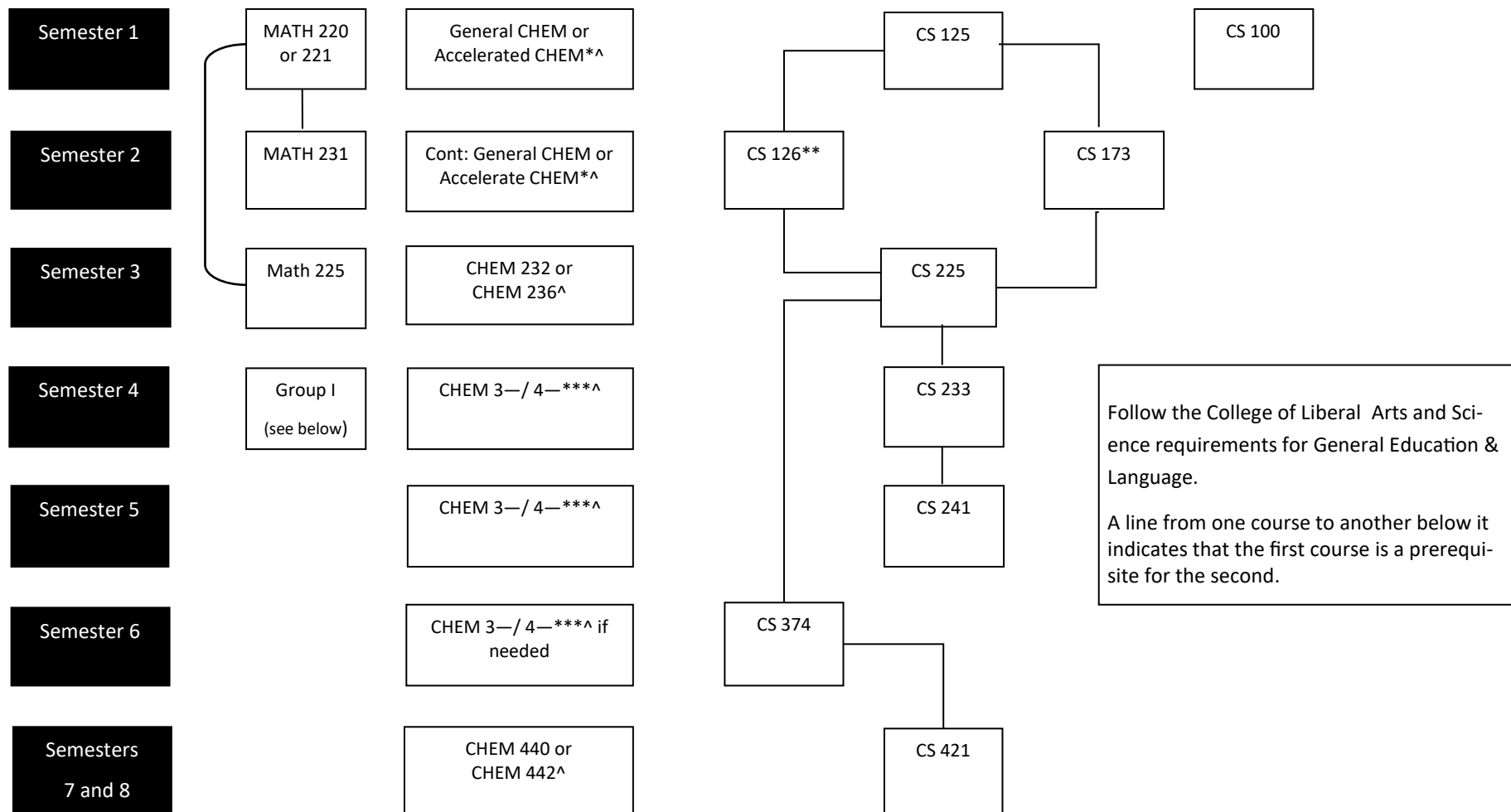


Curriculum Flow Chart for the Computer Science + CHEM



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

*Choose between: General Chemistry CHEM 102 & 103 & 104 & 105 or Accelerated Chemistry CHEM 202 & 203 & 204 & 205

** CS 242 if you entered the major with credit for CS 225

***Must see CHEM Advisor for CHEM course selection, 12 hours needed of Advanced CHEM

^All CHEM courses have prerequisites, the course requirements can be found in Course Explorer

Curriculum Plan: CS + CHEM, 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 or concurrent)</p> <p>____ CS 241 4hrs, System Programming (Prereq CS 225; CS 233)</p> <p>____ CS 374 4hrs, Algorithms and Models of Comp (Prereq 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>____ 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. 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> <hr/> <p>CHEM Courses 12hrs Foundation 12hrs Advanced CHEM</p> <p>Select General CHEM or Accelerated CHEM</p> <p>____ CHEM 102 3hrs, General CHEM I & CHEM 103 1hr, General CHEM Lab I[^]</p> <p>____ CHEM 104 3hrs, General CHEM II & CHEM 105 1hr General CHEM Lab II[^] or</p> <p>____ CHEM 202 3hrs, Accelerated CHEM I & CHEM 203 2hrs, Accelerated CHEM LAB I[^]</p> <p>____ CHEM 204 3hrs, Accelerated CHEM II & CHEM 205 2hrs, Accelerated CHEM Lab II[^] &</p> <p>____ CHEM 232 3/4hrs, Elementary Organic CHEM I or CHEM 236 4hrs, Fundamental Organic CHEM I[^]</p> <p>____ CHEM 440 4hrs, Physical CHEM Principles or 442 4hrs Physical CHEM I[^]</p> <p>____ 3/4hrs, CHEM elective[^]</p> <p>____ 3/4hrs, CHEM elective [^]</p> <p>____ 3/4hrs, CHEM elective (if hours needed)[^]</p> <p>[^]All CHEM courses have prerequisites, the course requirements can be found in Course Explorer</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>		