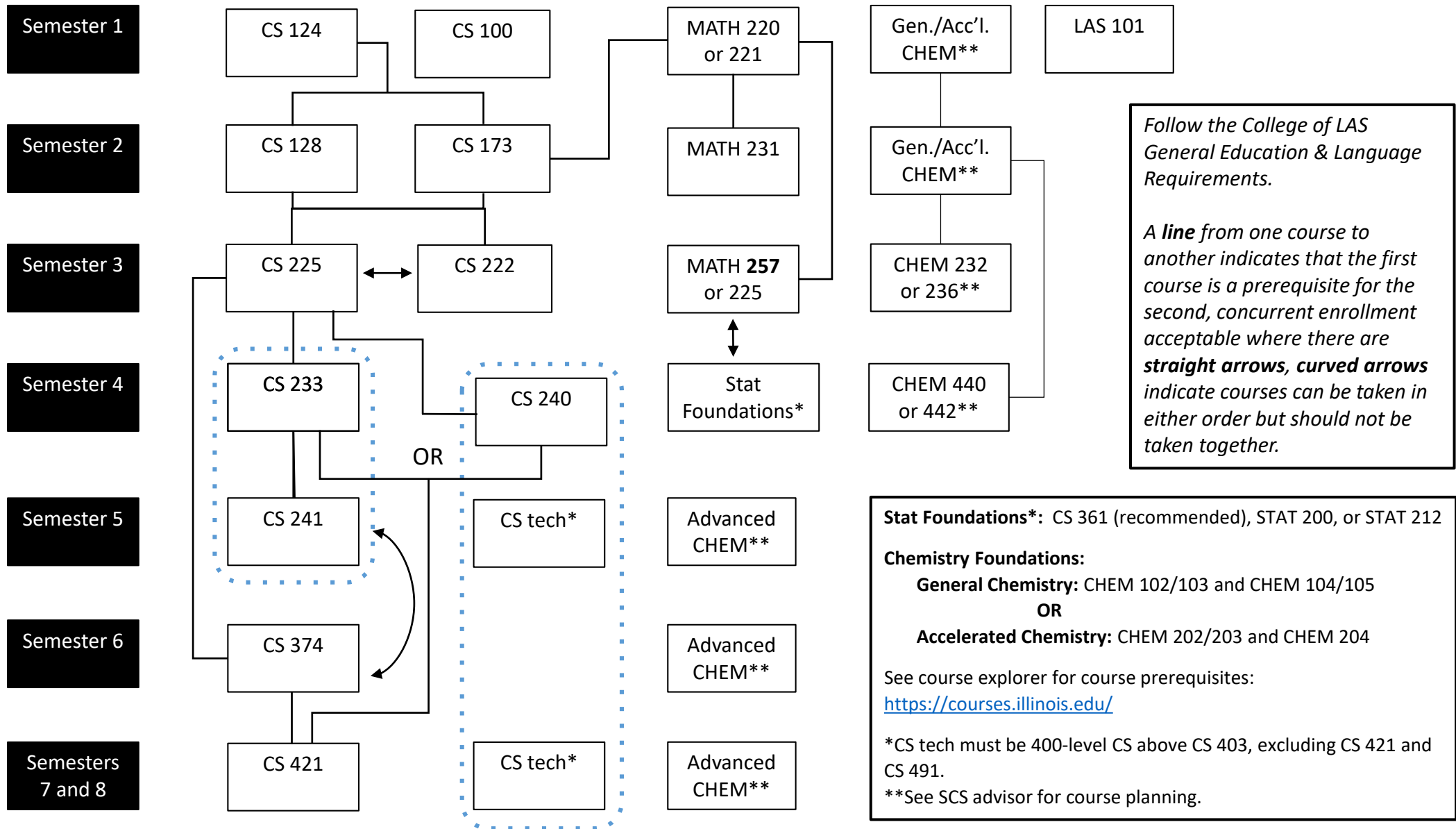


Curriculum Flow Chart for Computer Science + Chemistry



Curriculum Plan: Computer Science + CHEM Beginning Fall 2021

<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>*Completed with Chemistry Foundations Courses</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> <hr/> <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;"><i>OR</i></p> <p>____ CS 233** 4hrs, Computer Architecture</p> <p>____ CS 241** 4hrs, Systems Programming</p> <hr/> <p>____ CS 374** 4hrs, Algorithms & Models of Computation**</p> <p>____ CS 421** 3hrs, Programing Languages and Compilers**</p> <hr/> <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>Chemistry Foundations:</p> <p>General CHEM (8 hours)</p> <p>____ CHEM 102* 3hrs, General CHEM I (NAT)</p> <p>____ CHEM 103* 1hr, General CHEM Lab I</p> <p>____ CHEM 104* 3hrs, General CHEM II (NAT)</p> <p>____ CHEM 105* 1hr General CHEM Lab II</p> <p style="text-align: center;"><i>OR</i></p> <p>Accelerated CHEM (8 hours)</p> <p>____ CHEM 202* 3hrs, Accelerated CHEM I (NAT)</p> <p>____ CHEM 203* 2hrs, Accelerated CHEM LAB I</p> <p>____ CHEM 204* 3hrs, Accelerated CHEM II (NAT)</p> <hr style="border-top: 1px dashed black;"/> <p>____ CHEM 232* 3/4hrs, Elementary Organic CHEM I or CHEM 236* 4hrs, Fundamental Organic CHEM I</p>
		<p>Advanced Chemistry 12hrs, Consult with SCS Advisor</p> <p>____ CHEM 440* 4hrs, Physical CHEM Principles or CHEM 442* 4hrs, Physical CHEM I</p> <p>____ Advanced CHEM ____ **3-4hrs</p> <p>____ Advanced CHEM ____ ** 3-4hrs</p> <p>____ Advanced CHEM ____ ** 3-4hrs</p> <p>*Has prerequisites and/or co-requisite; See Course Explorer</p> <p>**The following courses may not be used to complete the advanced chemistry hours: CHEM 315, CHEM 397, CHEM 445, CHEM 447, CHEM 492, CHEM 494, CHEM 496, CHEM 497 and CHEM 499; any course in another unit, such as any BIOC or MCB COURSE.</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 style="text-align: center;">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>