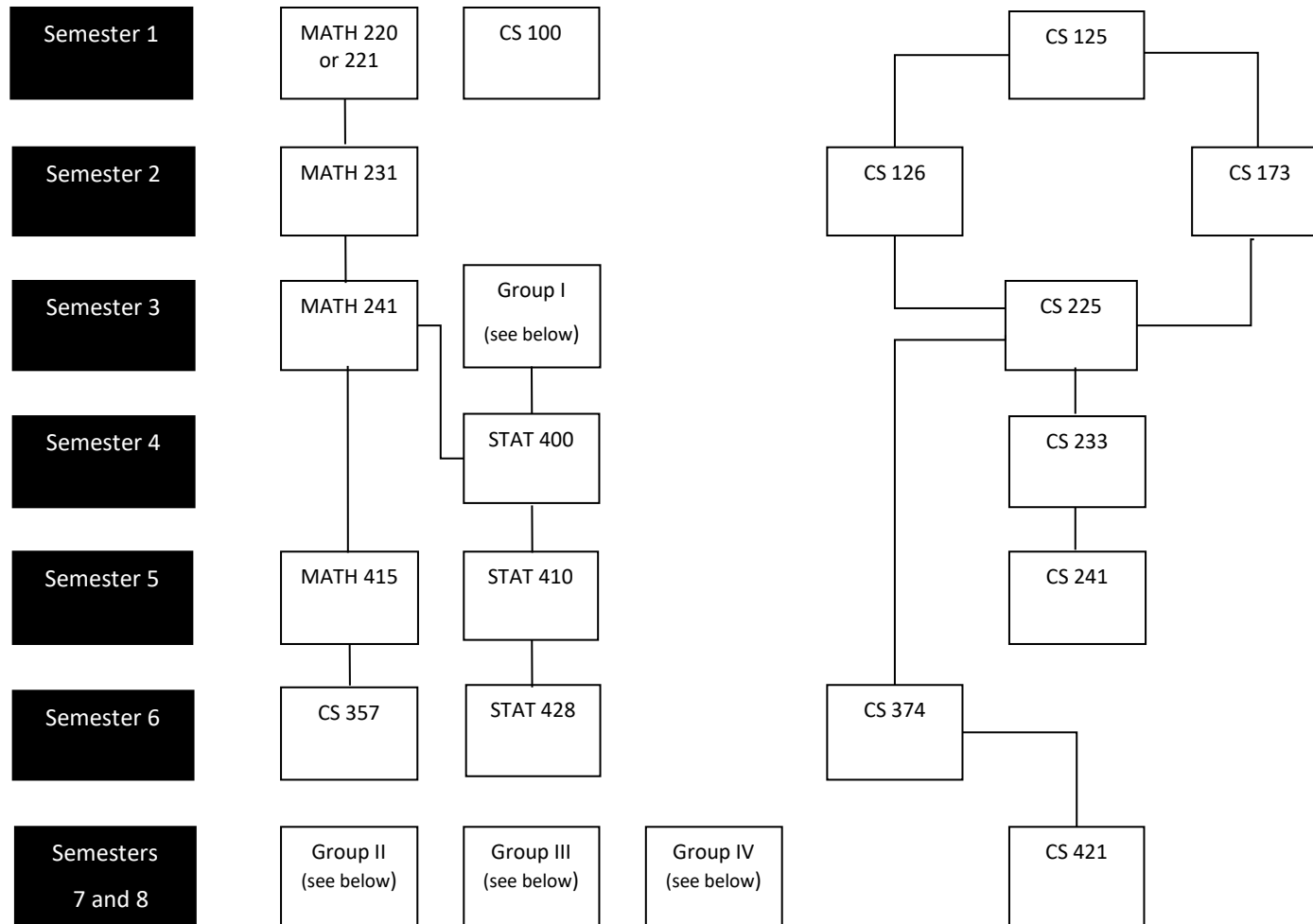


# Curriculum Flow Chart for the Statistics and Computer Science



Follow the College of Liberal Arts and Science requirements for General Education & Language.

A line from one course to another below it indicates that the first course is a prerequisite for the second.

Must complete one from each group

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

Group II: MATH 347, MATH 441, MATH 444 or MATH 447

Group III: STAT 385, CS 410, CS 411, CS 412, CS 446, CS 481 or CS 482

Group IV: STAT 420, STAT 425, STAT 426 or STAT 448

# Curriculum Plan: Statistics & Computer Science ( students who enter Fall 2018 or after)

Name: \_\_\_\_\_ UIN: \_\_\_\_\_ Date: \_\_\_\_\_

<p>____ LAS 101</p> <p><b>General Education Requirements</b></p> <p>____ Composition 1</p> <p>____ Advanced Composition</p> <p>____ 3hrs Western</p> <p>____ 3hrs Non-Western</p> <p>____ 3hrs US Minority (FA18 &amp; 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 and Technology</p> <p>____ 3hrs Natural Sciences and Technology</p> <p>____ 4th Level Language</p>	<p><b>Computer Science Courses</b></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 or concurrent)</p> <p>____ CS 357 3hrs, Numerical Methods I (Prereq 1-- CS course, MATH 241; MATH 225 or 415)</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 CS242 instead of CS 126.</p>	<p><b>Math &amp; Statistic Courses</b></p> <p>____ MATH 220 5hrs, CALC or MATH 221 4hrs, CALC I</p> <p>____ MATH 231 3hrs, CALC II</p> <p>____ MATH 241 4hrs, CALC III</p> <p>____ MATH 415 3hrs, Applied Linear Algebra</p> <p>____ STAT 400 4hrs, Stats and Probability I (Group I is a prereq)</p> <p>____ STAT 410 3hrs, Stats and Probability II</p> <p>____ STAT 428 3hrs, Statistical Computing</p> <p><b>Students must complete at least one course from each of the following four groups:</b></p> <p><b>Group I Statistical methods</b></p> <p>____ CS 361 (preferred), STAT 200 or STAT 212</p> <p><b>Group II Mathematical Analysis and Modeling</b></p> <p>____ MATH 347, MATH 441, MATH 444 or MATH 447</p> <p><b>Group III Computational Application Areas</b></p> <p>____ STAT 385, CS 410, CS 411, CS 412, CS 446, CS 481 or CS 482</p> <p><b>IV Statistical Analysis and Modeling</b></p> <p>____ STAT 420, STAT 425, STAT 426 or STAT 448</p>
<p><b>Additional Notes</b></p> <p>____ <b>120 hours required for graduation</b></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>		