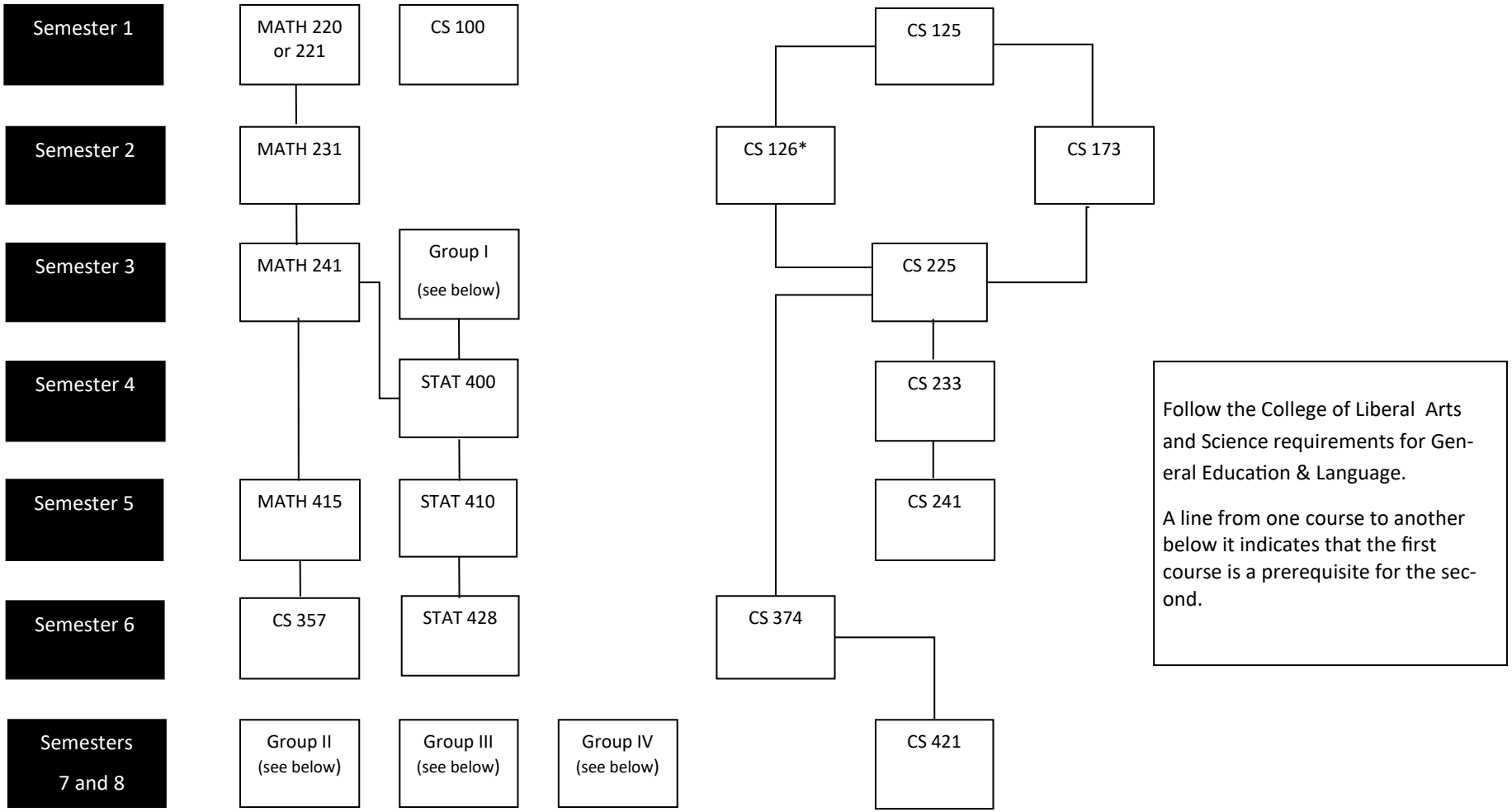
Curriculum Flow Chart for the Statistics and Computer Science



Must complete one from each group

Group I: CS 361 (preferred but MATH 415 is a corequisite) 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

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

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

Name: _____ UIN: _____ Date: _____

_____ LAS 101

General Education Requirements

_____ Composition 1

_____ Advanced Composition

_____ 3hrs Western

_____ 3hrs Non-Western

_____ 3hrs US Minority (FA18 & after)

_____ 3hrs Humanities and the Arts

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_____ 3hrs Social and Beh. Science

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_____ 3hrs Natural Sciences and Technology

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_____ 4th Level Language

Additional Notes

_____ 120 hours required for graduation

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!

Working ahead in your CS coursework does not guarantee entrance into the next CS course.

Computer Science Courses

_____ CS 100 1hr, Freshman Orientation,

_____ CS 125 4hrs, Intro to Computer Science

_____ CS 126* 3hrs, Software Design Studio

(Prereq CS 125)

_____ CS 173 3hrs, Discrete Structures

(CS 125 and CALC)

_____ CS 225 4hrs, Data Structures

(Prereq CS 125 and CS 173)

_____ CS 233 4hrs, Computer Architecture

(Prereq CS 125 and CS 173; CS 225 or concurrent)

_____ CS 241 4hrs, System Programming

(Prereq CS 225; CS 233 or concurrent)

_____ CS 357 3hrs, Numerical Methods I

(Prereq 1-- CS course, MATH 241; MATH 225 or 415)

_____ CS 374 4hrs, Algorithms and Models of Comp

(Prereq CS 173 and CS 225)

_____ CS 421 3hrs, Programing Languages and Compilers

(Prereq CS 233 and CS 374)

*Transfer students entering with CS 225 credit must take CS242 instead of CS 126.

Math & Statistic Courses

_____ MATH 220 5hrs, CALC or

MATH 221 4hrs, CALC I

_____ MATH 231 3hrs, CALC II

_____ MATH 241 4hrs, CALC III

_____ MATH 415 3hrs, Applied Linear Algebra

_____ STAT 400 4hrs, Stats and Probability I

(Group I is a prereq)

_____ STAT 410 3hrs, Stats and Probability II

_____ STAT 428 3hrs, Statistical Computing

Students must complete at least one course from each of the following four groups:

Group I Statistical methods

_____ CS 361 (preferred), STAT 200 or STAT 212

Group II Mathematical Analysis and Modeling

_____ MATH 347, MATH 441, MATH 444 or MATH 447

Group III Computational Application Areas

_____ STAT 385, CS 410, CS 411, CS 412, CS 446, CS 481 or CS 482

IV Statistical Analysis and Modeling

_____ STAT 420, STAT 425, STAT 426 or STAT 448