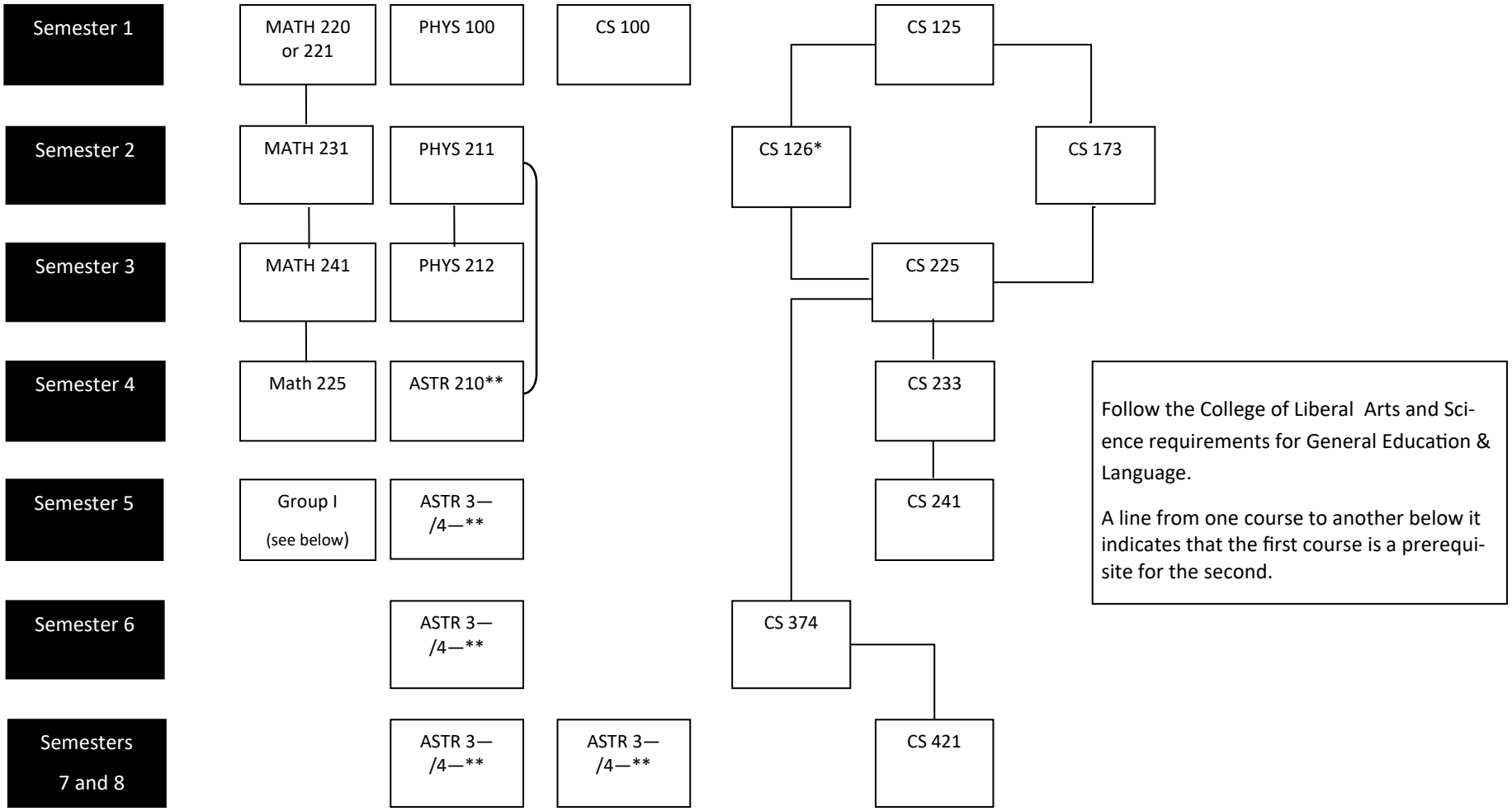
Curriculum Flow Chart for the Computer Science + ASTR



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

* CS 242 if you already have credit for CS 225

**ASTR 210 is HIGHLY RECOMMENDED

**Must see programs of study or ASTR Advisor for course selection

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

Name: _____ UIN: _____ Date: _____

_____ LAS 100

General Education Requirements

_____ Composition 1

_____ Advanced Composition

_____ 3hrs Western Cultures

_____ 3hrs Non-Western Cultures

_____ 3hrs US Minority Cultures (FA18 & after)

_____ 3hrs Humanities and the Arts

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_____ 3hrs Social and Beh. Science

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_____ 3hrs Natural Sciences & Technology

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_____ 4th Level Language

Additional Notes

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.

_____ **120 hours required for graduation**

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)

_____ CS 374 4hrs, Algorithms and Models of Comp

(Prereq CS 225)

_____ CS 421 3hrs, Programing Languages and Compilers

(Prereq CS 233 and CS 374)

*Transfer students entering with CS 225 credit must take CS 242 instead of CS 126.

Math Courses

_____ MATH 220 5hrs, CALC or 221 CALC I 4hrs

_____ MATH 231 3hrs, CALC II

_____ MATH 241 3hrs, CALC III

_____ MATH 225 2hrs, Intro Matrix Theory

_____ CS 361 3hrs, Probability and Statistics for Computer Science (preferred), STAT 200 or STAT 212

Astronomy & Physic Courses

_____ PHYS 100 2hrs, Thinking About Physics (if recommended by Physic Placement Exam)

_____ PHYS 211 4hrs, Univ. Physics: Mechanics

_____ PHYS 212 4hrs, Univ. Physics: Elec & Mag

Astronomy HIGHLY recommends

_____ ASTR 210 3hrs, Intro to Astrophysics (HIGHLY RECOMMENDED)

Advanced ASTR coursework, 12hrs required

_____ 3hrs ASTR, approved list

_____ 3hrs ASTR, approved list

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