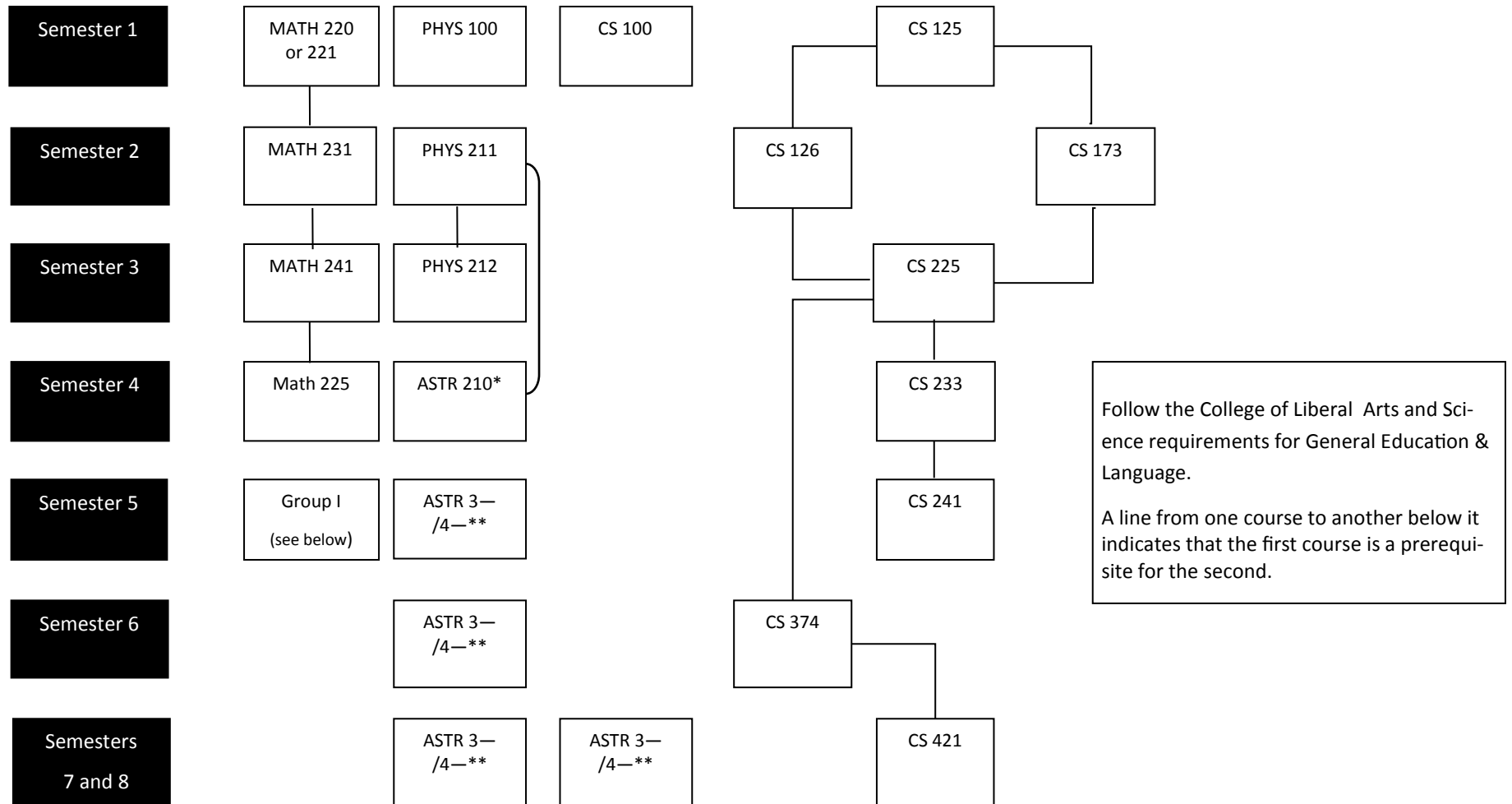


Curriculum Flow Chart for the Computer Science + ASTR



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

*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

____ 3hrs Humanities and the Arts

____ 3hrs Social and Beh. Science

____ 3hrs Social and Beh. Science

____ 3hrs Natural Sciences & Technology

____ 3hrs Natural Sciences & Technology

____ 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)

____ CS 241 4hrs, System Programming
(Prereq CS 225; CS 233)

____ 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 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

____ 3hrs ASTR, approved list

____ 3hrs ASTR, approved list