Curriculum Flow Chart for the Computer Science + GGIS

Semester 1
- MATH 220 or 221
- CS 100

Semester 2
- MATH 231
- GEOG 379
- CS 126**
- CS 125

Semester 3
- Math 225
- GEOG 371^
- GEOG 380
- CS 225
- CS 233

Semester 4
- Group I (see below)
- GEOG* (see below)

Semester 5
- GEOG*
- GEOG*
- CS 374
- CS 374
- CS 421

Semesters 7 and 8
- GEOG* (see below)

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

*See approved list of GGIS courses in programs of study and talk with a GGIS advisor

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

^Denotes that course has a prerequisite, check Course Explorer

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.
Curriculum Plan: CS + GGIS, 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

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, Programming Languages and Compilers
  (Prereq CS 233 and CS 374)

Math Courses

_____ MATH 220 5hrs, CALC or 221 CALC I 4hrs
_____ MATH 231 3hrs, CALC II
_____ MATH 225 2hrs, Intro Matrix Theory
_____ CS 361 3hrs, Probability and Statistics for Computer Science (preferred), STAT 200 or STAT 212

Required GGIS Courses-Minimum of 24hours

_____ GEOG 371 4hrs, Spatial Analysis
_____ GEOG 379 4hrs, Intro to GIS Systems
_____ GEOG 380 4hrs, GIS II: Spatial Prob Solving

Two GIS courses from approved list

_____ GEOG 3/4hrs, see approved list
_____ GEOG 3/4hrs, see approved list

Two Human and/or Physical Geography courses

_____ GEOG human/physical 3/4hrs, see approved list
_____ GEOG human/physical 3/4hrs, see approved list

_____ 120 hours required for graduation

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.

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