

# Curriculum Plan: Statistics & Computer Science (students who entered Fall 2016 and after)

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

## General Education Requirements

- \_\_\_\_\_ Composition 1
- \_\_\_\_\_ Advanced Composition
- \_\_\_\_\_ 3hrs Western
- \_\_\_\_\_ 3hrs Non-Western
- \_\_\_\_\_ 3hrs Humanities & the Arts
- \_\_\_\_\_ 3hrs Humanities & the Arts
- \_\_\_\_\_ 3hrs Social and Beh. Science
- \_\_\_\_\_ 3hrs Social and Beh. Science
- \_\_\_\_\_ 3hrs Natural Sciences & Technology
- \_\_\_\_\_ 3hrs Natural Sciences & Technology
- \_\_\_\_\_ 4th Level Language

## Math & Statistic Courses

- \_\_\_\_\_ MATH 220 or 221
- \_\_\_\_\_ MATH 231
- \_\_\_\_\_ MATH 241
- \_\_\_\_\_ MATH 415
- \_\_\_\_\_ MATH 347, 441, 444 or 447
- \_\_\_\_\_ STAT 200 or CS 361
- \_\_\_\_\_ STAT 400
- \_\_\_\_\_ STAT 410
- \_\_\_\_\_ STAT 428
- \_\_\_\_\_ STAT 420, 424 or 425

## Computer Science Courses

- \_\_\_\_\_ CS 100 Freshman Orientation
- \_\_\_\_\_ CS 125 Intro to Computer Science
- \_\_\_\_\_ CS 126 Software Design Studio (Prereq CS 125)  
(transfer students entering with CS 225 credit take CS 242 instead)
- \_\_\_\_\_ CS 173 Discrete Structures  
(Prereqs CS 125 + CALC)
- \_\_\_\_\_ CS 225 Data Structures  
(Prereqs CS 125 & CS 173)
- \_\_\_\_\_ CS 233 Computer Architecture  
(Prereqs CS 125 & CS 173 + (CS 225 or concurrent))
- \_\_\_\_\_ CS 241 System Programming  
(Prereqs CS 225 + (CS 233 or concurrent))
- \_\_\_\_\_ CS 357 Numerical Methods I  
(Prereqs1-- CS course, MATH 225 or 415 & MATH 241)
- \_\_\_\_\_ CS 374 Algorithms & Models of Comp  
(Prereqs CS 173 & CS 225)
- \_\_\_\_\_ CS 421 Progrmg Languages & Compilers  
(Prereqs CS 233 & CS 374)
- \_\_\_\_\_ CS 411 Database Systems (Prereq CS 225) CS 418  
Interactive Computer Graphics (Prereqs CS 225, MATH 225  
or 415 & MATH 241) or CS 446 Machine Learning (Prereqs  
CS 225 and a Probability/Stats course)

## 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.

\*\*\*CS 421 is recommended over CS 423

Recommended but NOT Required

(one of the following)

CS 427 and either 428 or 429

CS 492 and either 493 or 494

CS 499 (usually 2 semesters)

LAS General Education Distribution Requirements: <http://www.las.illinois.edu/students/requirements/gened/>

