

Curriculum Plan: Math & 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
- _____ 3 hrs Natural Sciences & Technology
- _____ 4th Level Language

Math Courses

- _____ MATH 220 or 221
- _____ MATH 231
- _____ MATH 241
- _____ MATH 347
- _____ MATH 415 or 416
- _____ CS 361 or MATH 461 or STAT 400
- _____ MATH 412 or 417
- _____ MATH 444 or 447
- _____ MATH 441, 446 or 484

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 (Prereq CS 125 & CS 173)
- _____ CS 233 Computer Architecture
(Prereq CS 125 & CS 173 + (CS 225 or concurrent))
- _____ CS 241 System Programming
(Prereq CS 225 + (CS 233 or concurrent))
- _____ CS 357 Numerical Methods I
(Prereq 1-- CS course, MATH 225 or 415 & MATH 241)
- _____ CS 374 Algorithms & Models of Comp
(Prereq CS 173 & CS 225)
- _____ CS 421 Progrmg Languages & Compilers
(Prereq CS 233 & CS 374)
- _____ CS 450 Numerical Analysis (Prereq CS 125, 357, or MATH 415, MATH 285) or CS 457 Numerical Methods II
(Prereq CS 357)
- _____ CS 498 DL 1 Theory II (will become CS 473) or CS 476, 477, 481 or MATH 414

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/>

