

Curriculum Plan: Math & Computer Science (students who entered prior to Fall 2016)

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 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 242 Programming Studio (Prereq CS 241)
_____	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) or CS 423 Operating Systems Design (Prereq CS 241)
_____	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 or CS 476, 477, 481 or MATH 414 (will become CS 473)

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/

