Computer Science Four Year Plan

First Year			
Fall	Spring		
□CIS 121 Intro to Programming	□CIS 122 Data Structures		
□MATH 121 Calculus 1	□MATH 122 Calculus 2		
□ENG 101 Composition	□Science Elective		
□Gen Ed	□Gen Ed		
(15-18 credits)	(15-18 credits)		
(13 18 credits)	(13 18 cicuits)		
Science electives can bes chosen from: BIOL 105, 106	6, CHEM 201, 202, GEOL 121, 122, PHYS 221,		
222+232, 223+233. Choose two from different department	ents to meet general education requirements.		
Second Year			
<u>Fall</u>	<u>Spring</u>		
□CIS 224 Computer Architecture	□CIS 223 Algorithms		
□MATH 247 Linear Algebra	☐MATH 280 Discrete Math for CS 1		
□Science Elective	□CMST 102 or ENG 271W		
□Gen Ed	□Gen Ed		
(15-18 credits)	(15-18 credits)		
Apply for admission to upper division, project-based computer science major during Second Year!			
Third Year			
<u>Fall</u>	<u>Spring</u>		
□CS 495 Seminar	□CS 495 Seminar		
□CS 391W CS Project 1	□CS 392W CS Project 2		
☐CS 301 CS Core: Operating Systems	☐CS 303 CS Core: Programming Languages		
☐CS 302 CS Core: Software Engr & Parallel Computing	☐CS 304 CS Core: Databases & Info. Security		
☐ MATH 380 Discrete Math for CS 2	☐ MATH 354 Probability & Statistics		
□Gen Ed	☐CS Elective		
(16 credits)	(15 credits)		
CS Core and CS Elective classes are each 2 credits.			
Fourth Year			
<u>Fall</u>	Spring		
□CS 495 Seminar	□CS 495 Seminar		
□CS 491W CS Capstone Project 1	☐CS 492W CS Capstone Project 2		
□CS Elective (2)	□CS Elective (2)		
□CS Elective (2)	□CS Elective (2)		
□CS Elective (2)	□Gen Ed		
□Gen Ed	□Gen Ed		
(15 credits)	(12-15 credits)		

- Students earn a math minor while completing the requirements for the computer science degree.
- CS Electives are in a wide range of computer science topics and broadly relate to: Operating Systems,
 Programming Languages, Networking & Communication, Algorithms & Computability, Parallel &
 Distributed Computing, Architecture & Organization, Intelligent Systems, Information Management,
 Information Assurance & Security, Computational Science, Graphics & Visualization, Human Computer
 Interaction, Software Engineering, and Platform-based Development

Computer Science Faculty Contact Information

Prof. Suboh Alkhushayni	suboh.alkhushayni@mnsu.edu	507-389-2363	WH 227
Prof. Becky Bates	bates@mnsu.edu	507-389-5587	WH 231
Prof. Lin Chase	lin.chase@mnsu.edu	415-799-6721	WH 229
Prof. Jonathan Hardwick	jonathan.hardwick@mnsu.edu	507-389-5312	WH 242
Prof. Guario Salivia	salivia@mnsu.edu	507-389-5311	WH 221