

School of Computing  
Computer Science Major  
2001-2002

Student Name: \_\_\_\_\_

Graduation Date: \_\_\_\_\_

ID#: \_\_\_\_\_

All hours of credit applied towards this major must be "C-" or better.

CS majors are required to take the GRE Computer Science Subject Test prior to graduation.

Course #	Title	Hrs.	Prerequisites	Offered	Sem.	Grade
<b>MAJOR REQUIREMENTS: <i>complete all</i></b>						
CS 142	Intro. to Computer Programming	3	MATH 110	F		
CS 143	Intro. to Computer Organization	3	MATH 110, CS 142	W		
CS 235	Foundations of Computer Science I	3	MATH 119, CS 142	W		
CS 236	Foundations of Computer Science II	3	CS 235	F		
CS 240	Advanced Programming Concepts	3	CS 236	W		
CS 252	Introduction to Computational Theory	3	CS 236	W		
CS 312	Algorithm Analysis	3	CS 240, CS 252	even F		
CS 330	Concepts of Programming Languages	3	CS 240, CS 252	even F		
CS 345	Operating Systems Design	3	CS 380 can be taken concurrent	odd F		
CS 380	Computer Architecture	3	CS 143, CS 240	odd F		

<b>SUPPORTING COURSES: <i>complete all</i></b>						
* Math 119 & Phys 121 may be taken to fulfill general education requirements						
MATH 119* <i>or both</i>	Introduction to Calculus	4	MATH 110, 111	F		
MATH 112 & MATH 113	Calculus I	5	MATH 111	F, W		
	Calculus II	5	MATH 112	F, W		
MATH 221	Principles of Statistics I	3	MATH 110	F, W, Sp, S		
MATH 343	Elementary Linear Algebra	3	MATH 119 or consent	F		
PHYS 121*	General Physics I	3	MATH 119	F		
PHYS 122	General Physics II	3	PHYS 121	W		

<b>ELECTIVES : <i>select 9 credit hours</i></b>						
CS 428	Software Sys. Design & Implement.	3	Two of following must be completed already CS 312, 330, 345 & 380	W		
CS 429	Software Testing	3	Two of following must be completed already CS 312, 330, 345 & 380	W		
CS 431	Algorithmic Languages & Compilers	3	Two of following must be completed already CS 312, 330, 345 & 380	W		
CS 452	Database Modeling Concepts	3	Two of following must be completed already CS 312, 330, 345 & 380	W		
CS 453	Advanced Data Structures	3	Two of following must be completed already CS 312, 330, 345 & 380	W		
CS 455	Computer Graphics	3	Two of following must be completed already CS 312, 330, 345 & 380	W		
CS 460	Computer Comm. & Networking	3	Two of following must be completed already CS 312, 330, 345 & 380	W		
CS 470	Introduction to Artificial Intelligence	3	Two of following must be completed already CS 312, 330, 345 & 380	W		
CS 491	Senior Seminar	1	Permission	F, W, Sp		
CS 492	Senior Seminar	1	Permission	F, W, Sp		
CS 493	Senior Seminar	1	Permission	F, W, Sp		

Academic Advisor \_\_\_\_\_ date \_\_\_\_\_  
revised 8/10/01k

Dean, School of Computing \_\_\_\_\_ date \_\_\_\_\_