

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
MAJOR REQUIREMENTS: <i>complete all</i>						
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		

SUPPORTING COURSES: <i>complete all</i>						
* 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		

ELECTIVES : <i>select 9 credit hours</i>						
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		

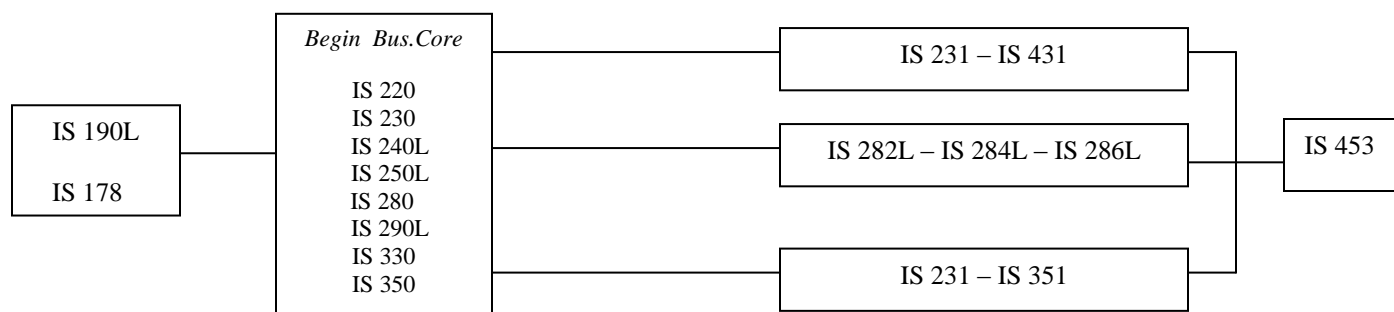
Academic Advisor _____ date _____
revised 8/10/01k

Dean, School of Computing _____ date _____

*Name _____
 ID# _____

_____ Grad Date

**School of Computing
 Information Systems Major
 2001-2002**



Business Core

The following courses must be completed to take most 300-level and 400-level business classes. Students should maintain a 2.00 average in these courses with at least a C- grade or better. No class required for any Business Core requirements may be repeated more than once. In addition, no more than two major classes may be repeated.

Course #	Title	Hrs	Prerequisite	Offered	S/T	Grd
ACCT 201	Intro to Financial Accounting	3	Math 100 or equivalent	F,W,Sp or S		
ACCT 203	Intro to Managerial Accounting	3	Acct 201, Math 110 or 106	F,W,Sp or S		
ECON 200	Microeconomics	3	Math 100 or equivalent	F,W,Sp or S		
ECON 201	Macroeconomics	3	Math 100 or equivalent	F,W,Sp or S		
IS 290L	Bus. Problem Solving with Applications II	1	IS 190L or equivalent	F,W,Sp		
MATH 221	Principles of Statistics I	3	Math 110 or 106, or equivalent	F,W,Sp or S		

Management Core (No more than one "D" grade (or 3 credit hours) will be allowed)

BUSM 242	Ethics and the Legal Environment	3	Business Core	F,W,Sp		
BUSM 300	Leadership Principles	3	Business Core	F,W,Sp or S		

Major Requirements

IS 178	Introduction to Web-Html	1		F,W, Sp		
IS 220	UNIX Systems Administration	3		F,W, Sp		
IS 230	Computer Programming I	3		F,W, Sp		
IS 240L	Web, HTML & DHTML	3		F,W, Sp		
IS 250L	Hardware Repair & Diagnostics	3	IS 190L or equivalent	F,W, Sp		
IS 280	Data Communications Systems	2	IS 230 or equivalent	F,W		
IS 330	Management Information Systems	3	Business Core	F,W, Sp		
IS 350	Data Files and Data Bases	3	IS 230, 290L or equivalent	F,W		
IS 453	Systems Analysis & Design	3	IS 230, 350 or equivalent	F,W		

Programming Track or

IS 231	Computer Programming II	3	IS 230 or equivalent	F,W		
IS 431	E-Commerce / Web Development	3	IS 230, 231, 330, 350 or equivalent	F,W		

Networking Track or

IS 284L	Computer Networking I	3	IS 282L, 280 or equivalent	F,W, Sp		
IS 286	Computer Networking II	3	IS 282L, 284L or equivalent	F,W, Sp		

Database Track

IS 231	Computer Programming II	3	IS 230 or equivalent	F,W, Sp		
IS 351	Advanced Data Files and Data Bases	3	IS 350 or equivalent	F,W, Sp		

 Academic Advisor Date

Revised August 1, 2001ik, new courses added
 Revised Jan 4, 2002ik, delete IS 282, change 284 to 3 credits

 School of Computing Dean Date

* All information on this sheet is subject to change. Please check with the Academic Advisors periodically to make sure no important information in your major has been changed. **This is your responsibility.**