

	Required Course	Pre-Req	CR	Done (X)	(write number of credit hours in boxes below)								Later (X)	
					F 09	W 10	Sp 10	Su 10	F 10	W 11	Sp 11	Su 11		
COMPUTER SCIENCE - APPLIED PROGRAM	CS 160		4		4									
	CS 161	MTH 112 or MPT>=33	4			4								
	CS 162	CS 161, con=MTH 231	4				4							
	CS 261	CS 162, MTH 231	4						4					
	CS 271	CS 161	4							4				
	CS 275	CS 261	4								4			
	MTH 231	MTH 112	4			4								
	MTH 232	MTH 231, Take After CS 261	4									4		
	MTH 111	MTH 095 or equivalent	4	-										
	MTH 112	MTH 111	4			4								
	MTH 251 (MTH 241 < F06)	MTH 112	4					4						
	MTH 252 (MTH 245 < F06)	MTH 251	4						4					
	ST 314 (n/a < F06)	MTH 252	3									3		
	COMM 111 or COMM 114		3				3							
	WR 121 - By Last Name (A-G=Fall, H-N=Winter, O-Z=Spring)		3			3								
	WR 214 or WR 222	WR 121	3					3						
	WR 327	WR 121	3								3			
	CS 311	CS 261, (CS 271 or ECE 271)	4											X
	CS 325	CS 261, MTH 232	4											X
	CS 352	CS 161/CS 295	4											X
	CS 361	CS 261	4											X
	CS 362	CS 361	4											X
	CS 372	CS 261, (CS 271 or ECE 271)	4											X
	CS 381	CS 261, MTH 232, CS 321 - Rec	4											X
	CS 391	Junior Standing	3											X
	CS 411	CS 311, (CS 271/ECE 375)	4											X
	CS 461	CS 361 (CS 461-463 in same year)	2											X
	CS 462	CS 361, con=CS 362, CS 461	2											X
	CS 463	CS 361, CS 362, CS 462	2											X
		CS Elective = Enter Course Here	3-4											X
		CS Elective = Enter Course Here	3-4											X
	APPLIED PROGRAM COURSEWORK (minimum 32 credits)					Applied Program must be Approved by 2nd Pro Term								
	Applied Course = Enter Course Here	4											X	
	Applied Course = Enter Course Here	4											X	
	Applied Course = Enter Course Here	4											X	
	Applied Course = Enter Course Here	4											X	
	Applied Course = Enter Course Here	4											X	
	Applied Course = Enter Course Here	4											X	
	Applied Course = Enter Course Here	8											X	
HHS Lecture		2				2								
HHS Lab or PAC		1				1								
Biology + Lab		4					4							
Perspective (Physical Science)		4						4						
Perspective (2nd Bio+Lab or Physical Science)		4							4					
Perspective (Western Culture)		3			3									
Perspective (Cultural Diversity)		3						3						
Perspective (Literature & Arts)		3							3					
Perspective (Social Processes & Institutions)		3								3				
Difference, Power, & Discrimination		3											X	
Synthesis (Contemporary Global Issues) - Junior		3											X	
Unrestricted Electives		11											X	
CREDITS FROM BACK PAGE					0	0	0	0	0	0	0	0	0	
TOTAL CREDITS PER TERM					14	14	15	0	15	14	14	0		
					F 09	W 10	Sp 10	Su 10	F 10	W 11	Sp 11	Su 11		

P Winter 2010: _____
 I Spring 2010: _____
 N Fall: 2010: _____

Reviewed by: _____ Date _____

Course		(write number of credit hours in boxes below)							
		F 09	W 10	Sp 10	Su 10	F 10	W 11	Sp 11	Su 11
O T H E R									

PRO-SCHOOL REQUIREMENTS

Course	Title	Pre-Req
CS 160	Computer Science Orientation	
MTH 231	Discrete Mathematics I	MTH 112
CS 161	Intro Computer Science I	MTH 112 or MPT \geq 33
CS 162	Intro Computer Science II	CS 161, con=MTH 231
CS 261	Data Structures	CS 162, MTH 231
CS 271	Computer Arch. & Assembly Lang	CS 161
CS 275	Introduction to Databases	CS 261
MTH 251	Differential Calculus	MTH 112
MTH 252	Integral Calculus	MTH 251
COMM 111/114	Public Speaking	
WR 121	English Composition	
WR 214/222	Business Writing/English Comp	WR 121

CS ELECTIVES (Information Subject to Change)

Course	Title	CR	Pre-Req	Term
CS 312	Linux System Administration	4	CS 311	Check Catalog
CS 321	Intro to Theory of Computation (non-CSO)	3	CS 261, MTH 232	Fall, Summer
CS 331	Intro to Artificial Intelligence	4	CS 325	Spring
CS 352	Intro to Usability Engineering (non-ACSO)	4	CS 161/295	Winter, Summer
CS 419	ST/Open Source Software	4	Programming Experience (CS 261)	Spring
CS 419	ST/CS Skills/Sim & Game Development	4	CS 261, Senior Standing	Winter 2009
CS 420	Graph Theory with CS Applications	3	CS 325, MTH 232	Check Catalog
CS 434	Machine Learning & Data Mining	4	CS 325	Fall
CS 440	Database Mgt Systems (non-ISO)	4	CS 261, 275	Winter
CS 450	Introduction to Computer Graphics	4	MTH 306	Fall
CS/ECE 472	Computer Architecture (non-CSO)	4	ECE 375	Spring, Fall
CS 475	Intro to Parallel Computing	4	CS 325	Check Catalog
CS 480	Translators (non-CSO)	4	CS 311, 321	Winter
CS/ECE 476	Advanced Computer Networking	4	ECE/CS372/ECE 465	Winter
ECE 471	Advanced Digital & Integrated Circuit Design	4	ECE 322, ECE 323, ECE 375	Winter
ECE 473	Microprocessor System Design	4	CS 261, ECE 322, 375	Fall
ECE 474	VLSI System Design	4	ECE 322, 375	Spring 10
ECE 477	Multimedia Systems	4	ECE 375	Spring
MTH 351	Intro to Numerical Analysis (non-CSO)	3	MTH 306	All
MTH 440	Computational Number Theory	3	MTH 231/343/Instructor Approval	Fall
MTH 451	Numerical Linear Algebra	3	MTH 341, Programming	Fall
MTH 452	Numerical Solutions-Ordinary Diff Equation	3	MTH 256, 451/551	Winter
MTH 453	Numerical Solutions-Partial Diff Equations	3	MTH 452/552	Spring
ST 441	Intro to Modeling and Simulation	4	ST 422/522	Check Catalog