

2011**Computer Science – Computer Systems Emphasis**

Student: _____ ID: _____ Adviser: _____

Anticipated Graduation Session: _____

Computer Science Core Courses (38 hrs.)		{Prerequisites/corequisites shown in braces}	_____	_____
CSCI 190	3 hrs.	Computer Science I		
CSCI 191	3 hrs.	Computer Science II	{190}	
CSCI 192	3 hrs.	Introductory Java Programming		
CSCI 193	1 hr.	Introduction to Unix	{190}	
CSCI 240	3 hrs.	Computer Software Design I	{190 + 192}	
CSCI 241	3 hrs.	Computer Software Design II	{193 + 240}	
CSCI 270	3 hrs.	Web Page Development	{competency}	
CSCI 325	3 hrs.	Operating Systems	{240+coreq:193}	
CSCI 345	3 hrs.	Data Communications	{191 + 192}	
CSCI 355	3 hrs.	Computer Organization	{240}	
CSCI 360	3 hrs.	Data Structures	{241}	
CSCI 480	4 hrs.	Software Engineering	{360}	
CSCI 490	3 hrs.	Database Management Systems	{241}	

Computer Systems Emphasis (18 hrs.)			_____	_____
CSCI 300	3 hrs.	Discrete Structures		
CSCI 445	3 hrs.	Computer Networking		
CSCI 460	3 hrs.	Computer Systems Management		
TECH 410	3 hrs.	Information Security Fundamentals		
Two of: CSCI 285, 330, 374,		CSCI _____		
470, 475, 497 (3 hrs),		CSCI _____		
498 (3 hrs) (only one can be 497 or 498)				

Computer Science Area Competencies (6 hrs.)			_____	_____
Philosophy:	PHIL 224	3 hrs.	Ethics and Technology	
Writing:	ENGL 272	3 hrs.	Intro to Technical Communication	

Major Competencies (6-8 hrs.)			_____	_____
Math:	& MATH 132	3 hrs.	Applied Mathematical Analysis	
	MATH 133	3 hrs.	Applied Calculus	
	OR			
	& MATH 141	4 hrs.	Calculus I	
	MATH 142	4 hrs.	Calculus II	(highly recommended)