

# Computer Science – Information Assurance Emphasis

Student: \_\_\_\_\_ ID: \_\_\_\_\_ Adviser: \_\_\_\_\_

Anticipated Graduation Session: \_\_\_\_\_

<b>Computer Science Core Courses (38 hrs.)</b>		{Prerequisites/corequisites shown in braces}	_____	_____
<b>CSCI 190</b>	3 hrs.	Computer Science I		
<b>CSCI 191</b>	4 hrs.	Computer Science II	{190}	
<b>CSCI 193</b>	1 hr.	Introduction to Unix	{190}	
<b>CSCI 240</b>	4 hrs.	Computer Software Design I	{coreq: 191}	
<b>CSCI 241</b>	3 hrs.	Computer Software Design II	{193 + 240}	
<b>CSCI 270</b>	3 hrs.	Web Page Development	{148,150 or 190}	
<b>CSCI 325</b>	3 hrs.	Operating Systems	{240+coreq:193}	
<b>CSCI 345</b>	4 hrs.	Data Communications	{191}	
<b>CSCI 355</b>	3 hrs.	Computer Organization	{240}	
<b>CSCI 360</b>	3 hrs.	Data Structures	{241}	
<b>CSCI 480</b>	4 hrs.	Software Engineering	{360}	
<b>CSCI 490</b>	3 hrs.	Database Management Systems	{241}	

<b>Information Assurance Emphasis (24 hrs.)</b>				
<b>Computer Science:</b>	<b>CSCI 445</b>	3 hrs.	Computer Networking	_____
	One of: CSCI 285, 300, 330, 374, 460, 470, 475, 497 (3 hrs), 498 (3 hrs)			
			CSCI _____	_____
<b>Technology Management:</b>	<b>TECH 410</b>	3 hrs.	Information Security Fund.	_____
	<b>TECH 412</b>	3 hrs.	Managing Business Networks	_____
	<b>TECH 414</b>	3 hrs.	Secure eCommerce	_____
	<b>TECH 416</b>	3 hrs.	Computer & Network Forensics	_____
	<b>TECH 420</b>	3 hrs.	Information Assurance Capstone	_____
<b>Math:</b>	<b>MATH 302</b>	3 hrs.	Mathematical Intro to Cryptology	_____

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

<b>Major Competencies (6-8 hrs.)</b>				
<b>Math:</b>	<b>MATH 132</b>	3 hrs.	Fundamentals of Calculus I	_____
	<b>MATH 133</b>	3 hrs.	Fundamentals of Calculus II	_____
	<b>OR</b>			
	<b>MATH 141</b>	4 hrs.	Calculus I	_____
	<b>MATH 142</b>	4 hrs.	Calculus II	_____