

**2011****Computer Science – Web and Database 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>	3 hrs. Computer Science II	{190}	_____
<b>CSCI 192</b>	3 hrs. Introductory Java Programming	{190}	_____
<b>CSCI 193</b>	1 hr. Introduction to Unix	{190}	_____
<b>CSCI 240</b>	3 hrs. Computer Software Design I	{190 + 192}	_____
<b>CSCI 241</b>	3 hrs. Computer Software Design II	{193 + 240}	_____
<b>CSCI 270</b>	3 hrs. Web Page Development	{competency}	_____
<b>CSCI 325</b>	3 hrs. Operating Systems	{240+coreq:193}	_____
<b>CSCI 345</b>	3 hrs. Data Communications	{191 + 192}	_____
<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>Web and Database Emphasis (18 hrs.)</b>	
<b>CSCI 285</b>	3 hrs. SQL Programming _____
<b>CSCI 374</b>	3 hrs. Internet Programming Unix _____
<b>CSCI 445</b>	3 hrs. Computer Networking _____
<b>CSCI 470</b>	3 hrs. Programming in Java _____
<b>CSCI 475</b>	3 hrs. Internet Programming Windows _____
One of: CSCI 300, 330, 460, 497 (3 hrs), 498 (3 hrs), or TECH 410 CSCI/TECH _____	

<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>&amp; MATH 132</b> 3 hrs. Applied Mathematical Analysis _____
	<b>MATH 133</b> 3 hrs. Applied Calculus _____
	<b>OR</b>
	<b>&amp; MATH 141</b> 4 hrs. Calculus I _____
	<b>&amp; MATH 142</b> 4 hrs. Calculus II _____