

<b>General Education Requirements:</b> Students must complete the DSC requirements for General Education or equivalent.		
<b>IT Emphasis Requirements</b>	<b>Credits</b>	<b>Prerequisites and notes</b>
<input type="checkbox"/> CS 1400, Fundamentals of Programming	3	
<input type="checkbox"/> CS 1410, Object Oriented Programming	3	CS 1400
<input type="checkbox"/> CS 2420, Intro to Algorithms and Data Structures	3	CS 1410
<input type="checkbox"/> IT 1100, Introduction to Operating Systems	3	
<input type="checkbox"/> IT 2400, Introduction to Networking	3	IT 1100
<input type="checkbox"/> IT 3100, Systems Design and Administration I	3	CS 1400 and IT 2400
<input type="checkbox"/> IT 3110, Systems Design and Administration II	3	IT 3100
<input type="checkbox"/> IT 3500, Electronic Commerce	3	
<input type="checkbox"/> IT 4200, Advanced Web Delivery	3	IT 3100 and VT 1400
<input type="checkbox"/> IT 4300, Database Design and Management	3	CS 1400 and IT 1100
<input type="checkbox"/> IT 4400, Network Design and Management	3	IT 2400
<input type="checkbox"/> IT 4500, Information Security	3	CS 1400 and IT 3100
<input type="checkbox"/> IT 4600, Senior Project	3	Senior Status
<input type="checkbox"/> MATH 1100, Business Calculus or MATH 1210, Calculus I	3  5	MATH 1050  MATH 1050 and 1060, or MATH 1065
<input type="checkbox"/> VT 1300, Communication Design	3	
<input type="checkbox"/> VT 1400, Intro. to Internet Development	3	
<input type="checkbox"/> VT 2500, Computer Illustration	3	VT 1300
<input type="checkbox"/> VT 2600, Creative Imaging	3	VT 1300
<input type="checkbox"/> ENGL 3010, Writing in the Professions	3	ENGL 2010
<b>TOTAL</b>	<b>57-59</b>	
<b>IT Emphasis Electives (15 credits from the following)</b>	<b>Credits</b>	<b>Prerequisites and Notes</b>
<input type="checkbox"/> CS 2450, Software Engineering	3	CS 2420
<input type="checkbox"/> CS 2810, Computer Organization and Architecture	3	CS 1410
<input type="checkbox"/> CS 3000, Internet Publishing and Design	3	CS 2420
<input type="checkbox"/> CS 3005, Programming in C++	2	CS 1410
<input type="checkbox"/> CS 3100, Interactive Multimedia	3	CS 2420
<input type="checkbox"/> CS 3400, Operating Systems	3	CS 2420 and CS 2810
<input type="checkbox"/> CS 3410, Distributed Systems	3	CS 2420, CS 2810 and IT 2400
<input type="checkbox"/> CS 3500, Application Development	3	CS 1410
<input type="checkbox"/> CS 3600, Graphics Programming	3	CS 2420 and CS 2810
<input type="checkbox"/> CS 4000, Dynamic Web Development	3	CS 2420 and VT 1400
<input type="checkbox"/> CS 4010, Interactive Web Development	3	CS 2420 and VT 1400
<input type="checkbox"/> CS 4100, Advanced Multimedia/Internet Integration	3	CS 2420
<input type="checkbox"/> CS 4300, Artificial Intelligence	3	CS 2420 and CS 2810
<input type="checkbox"/> CS 4550, Compilers	3	CS 2420 and CS 2810
<input type="checkbox"/> IT 3200, Perl Programming	3	CS 1410
<input type="checkbox"/> IT 3550, Internet and E-Commerce Marketing	3	
<input type="checkbox"/> MKTG 3010, Marketing Principles	3	CIS 1200 and ENGL 2010

Requirements for Bachelor of Science Degree in  
Computer and Information Technology with  
Information Technology (IT) Emphasis

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<input type="checkbox"/> VT 3000, Internet Publishing and Design	3	CS 1400 and VT 1400 and VT 2500 and VT 2600
<input type="checkbox"/> VT 3100, Interactive Multimedia	3	CS 1400 and VT 2500 and VT 2600
<input type="checkbox"/> VT 3200, Portfolio Preparation	3	VT 2600 and VT 2700
<input type="checkbox"/> VT 3800, Corporate Identity	3	VT 2500
<input type="checkbox"/> VT 4000, Dynamic Web Development	3	VT 3000
<input type="checkbox"/> VT 4010, Interactive Web Development	3	CS 1410 and VT 3000
<input type="checkbox"/> VT 4100, Advanced Multimedia/ Internet Integration	3	VT 3100
<b>TOTAL</b>	<b>15</b>	

**Complete a minimum of 120 college-level credits (1000 and above). Complete at least 40 upper-division credits (3000 and above). Complete at least 30 upper-division credits at DSC for institutional residency. Cumulative GPA 2.0 or higher. Grade C- or higher in each Core Discipline and Elective Requirement Course. Math prerequisites requires C or higher. For each cross-listed CS and VT course, only one may be used to fill elective credits.**

**NOTE: This is a worksheet only. For graduation you must use the 2011-2012 Catalog.**