

<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>
• CS 1400, Fundamentals of Programming	3	
• CS 1410, Object-Oriented Programming	3	CS 1400
• CS 2420, Introduction to Algorithms and Data Structures	3	CS 1410
• IT 1100, Introduction to Operating Systems	3	
• IT 2400, Introduction to Networking	3	
• IT 3100, Systems Design and Administration I	3	CS 1400 and IT 1100 and IT 2400
• IT 3110, Systems Design and Administration II	3	IT 3100
• IT 3200 Perl Programming	3	CS 1410
• IT 3500, Electronic Commerce	3	
• IT 4200, Advanced Web Delivery	3	IT 3100
• IT 4300, Database Design and Management	3	CS 1410 and IT 1100 and IT 2400
• IT 4400, Network Design and Management	3	IT 1100 and IT 2400
• IT 4600, Advanced Information Systems (Project)	3	Instructor Permission Required
• MATH 1100, Business Calculus or MATH 1210, Calculus I	3-5	MATH 1050 or MATH 1090 for MATH 1100. You must take MATH 1050 and 1060, or MATH 1065, before MATH 1210. Also, you must receive a C or better to advance from one math course to the next course.
• VT 1400, Intro. to Internet Development	3	
• VT 2500, Computer Illustration	3	VT 1300
• VT 2600, Creative Imaging	3	
• ENGL 3010, Writing in the Professions	3	ENGL 2010
• HUM 3030, Multicultural Studies	2	
• MKTG 3010, Marketing Principles	3	CIS 1200 and ENGL 2010
• PHIL 3510, Business and Professional Ethics	2	
<b>TOTAL</b>	<b>61</b>	

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

Effective July 2006

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<b>IT Emphasis Electives (21 credits from the following)</b>		
	<b>Credits</b>	<b>Prerequisites and Notes</b>
• CS 2450, Software Engineering	3	CS 2420
• CS 2810, Computer Organization and Architecture	3	CS 1410
• CS 3000, Internet Publishing and Design	3	CS 2420
• CS 3100, Interactive Multimedia	3	CS 2420
• CS 3400, Operating Systems	3	CS 2420
• CS 3500, Graphical User Interfaces	3	CS 2420
• CS 3600, Graphics Programming	3	CS 2420
• CS 4000, Dynamic Web Development	3	CS 2420
• CS 4100, Advanced Multimedia/Internet Integration	3	CS 2420
• CS 4300, Artificial Intelligence	3	CS 2420
• CS 4550, Compilers	3	CS 2420
• VT 3000, Internet Publishing and Design	3	CS 1400 and VT 1400 and VT 2500 and VT 2600
• VT 3100, Interactive Multimedia	3	CS 1400 and VT 2500 and VT 2600
• VT 3200, Advanced Design	3	VT 2500 and VT 2600
• VT 3800, Corporate Identity	3	VT 3200
• VT 4000, Dynamic Web Development	3	VT 3000
• VT 4100, Advanced Multimedia/ Internet Integration	3	VT 3100
<b>TOTAL</b>	<b>21</b>	
<b>A minimum of 40 upper-division credits are required.</b>		
<b>TOTAL CREDITS FOR BACCALAUREATE DEGREE: 121</b>		