

**General Education Requirements:** Students must complete the DSC requirements for General Education or equivalent.

CIT Requirements	Credits	Prerequisites and notes
• CS 1400, Fundamentals of Programming	3	
• CS 1410, Object-Oriented Programming	3	CS 1400 (C- or higher)
• CS 2420, Intro to Algorithms and Data Structures	3	CS 1410 (C- or higher)
• CS 2450, Software Engineering	3	CS 2420 (C- or higher)
• CS 3005, Programming in C++	3	CS 1410 (C- or higher)
• CS 3500, Application Development	3	CS 3005 (C- or higher)
• ENGL 3010, Writing in the Professions	3	ENGL 2010/A (C or higher)
• IT 1100, Introduction to Operating Systems	3	
• IT 2400, Introduction to Networking	3	IT 1100 (C- or higher)
• IT 3100, Systems Design and Administration I	3	CS 1400 and IT 2400 (all $\geq$ C-)
• IT 3500, Electronic Commerce	3	
• VT 1300, Communication Design	3	
• VT 1400, Intro. to Internet Development	3	
• VT 2500, Computer Illustration	3	VT 1300 (C- or higher)
• VT 2600, Creative Imaging	3	VT 1300 (C- or higher)
• VT 3000, Internet Publishing and Design	3	CS 1400 and VT 1400 and VT 2500 and VT 2600 (all $\geq$ C-)
• VT 3100, Interactive Multimedia	3	CS 1400, VT 2500, VT 2600 (all $\geq$ C-)
• MATH 1100, Business Calculus or MATH 1210, Calculus I	3 5	Math 1050 (C or higher) see Catalog Math 1065 (C or higher) see Catalog
• VT 4600 or CS 4600 or IT 4600 Senior Project	3	Senior Status
<b>TOTAL</b>	<b>57-59</b>	

CIT Electives (21 credits from the following)		
	Credits	Prerequisites and Notes
• CS 2810, Computer Organization and Architecture	3	CS 1410 (C- or higher)
• CS 3010, Mobile App Development	3	CS 3005 (C- or higher)
• CS 3400, Operating Systems	3	CS 2420, CS 2810 and CS 3005 (all $\geq$ C-)
• CS 3410, Distributed Systems	3	CS 2420 and CS 2810 (all $\geq$ C-)
• CS 3600, Graphics Programming	3	CS 2420 and CS 3005 (all $\geq$ C-)
• CS 4000, Dynamic Web Development	3	CS 2420 and VT 1400 (all $\geq$ C-)
• CS 4010, Interactive Web Development	3	CS 2420 and VT 1400 (all $\geq$ C-)
• CS 4100, Advanced Multimedia/Internet Integration	3	CS 2420 (C- or higher)
• CS 4300, Artificial Intelligence	3	CS 2420, CS 2810 and CS 3005 (all $\geq$ C-)
• CS 4550, Compilers	3	CS 2420, CS 2810 and CS 3005 (all $\geq$ C-)
• CS 4990 Seminar in Computer Science	1-6	Instructor Permission Required
• IT 3110, Systems Design and Administration II	3	IT 3100 (C- or higher)
• IT 3200, Perl Programming	3	CS 1410 (C- or higher)
• IT 3550, Internet and E-Commerce Marketing	3	
• IT 4200, Advanced Web Delivery	3	IT 3100 and VT 1400 (all $\geq$ C-)
• IT 4300, Database Design and Management	3	CS 1400 and IT 1100 (all $\geq$ C-)
• IT 4400, Network Design and Management	3	IT 2400 (C- or higher)
• IT 4500, Information Security	3	CS 1400 and IT 3100 (all $\geq$ C-)
• IT 4990 Seminar in Computer Science	1-3	Instructor Permission Required

• MKTG 3010, Marketing Principles	3	
• VT 2800, Digital Publishing	3	VT 1300 (C- or higher)
• VT 3620, Typography	3	VT 2500 (C- or higher)
• VT 3710, Advanced Typography	3	VT 3620 (C- or higher)
• VT 3200, Portfolio Preparation	3	VT 2600 and VT 3620 (all $\geq$ C-)
• VT 3300, Introduction to Digital Video Editing	3	CS 1400, VT 2500 and VT 2600 (all $\geq$ C-)
• VT 3600, 3-D Visualization	3	CS 1400, VT 2500 and VT 2600 (all $\geq$ C-)
• VT 3750, Graphic Design History	3	VT 3620 (C- or higher)
• VT 3780, Prepress & Print Production	3	VT 2500 and VT 2600 (all $\geq$ C-)
• VT 3800, Corporate Identity	3	VT 2500 (C- or higher)
• VT 4000, Dynamic Web Development	3	VT 3000 (C- or higher)
• VT 4010, Interactive Web Development	3	VT 3000 (C- or higher)
• VT 4100, Advanced Multimedia/ Internet Integration (old)	3	VT 3100 (C- or higher)
• VT 4700, Publication Design	3	VT 2600 and VT 3620 (all $\geq$ C-)
• VT 4750, Package Design	3	VT 2600 and VT 3620 (all $\geq$ C-)
• VT 4990 Seminar in Visual Technologies	1-6	Instructor Permission Required
<b>TOTAL</b>	<b>21</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 2013-2014 Catalog.**