

**Proposed Requirements for Bachelor of Science Degree in  
Computer and Information Technology with  
Web Design & Development (WEB) Emphasis**

Effective July 2014

<b>General Education Requirements:</b> Students must complete the DSC requirements for General Education or equivalent.		
<b>WEB 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 (C- or higher)
<input type="checkbox"/> DES 1300, Communication Design	3	
<input type="checkbox"/> DES 2500, Computer Illustration	3	DES 1300 (C- or higher)
<input type="checkbox"/> DES 2600, Creative Imaging	3	
<input type="checkbox"/> DES 3620, Typography	3	DES 2500 (C- or higher)
<input type="checkbox"/> ENGL 3010, Writing in the Professions	3	ENGL 2010/A (C or higher)
<input type="checkbox"/> IT 1100, Introduction to Unix/Linux	3	
<input type="checkbox"/> IT 2400, Introduction to Networking	3	IT 1100 (C- or higher)
<input type="checkbox"/> IT 3100, Systems Design and Administration I	3	CS 1400 and IT 2400 (all >=C-)
<input type="checkbox"/> IT 4300, Database Design and Management	3	CS 1410 and IT 1100 (all >=C-)
<input type="checkbox"/> MATH 1100, Business Calc. or MATH 1210, Calc. I	3 5	MATH 1050 (C or higher) See catalog
<input type="checkbox"/> WEB 1400, Intro. to Internet Development	3	
<input type="checkbox"/> WEB 3000, Internet Publishing and Design	3	CS 1400 & WEB 1400 & DES 2500 & DES 2600 (all >= C-)
<input type="checkbox"/> WEB 3100, Interactive Multimedia	3	CS1400 & DES2500 & DES2600 (all >=C-)
<input type="checkbox"/> WEB 3500, Electronic Commerce	3	
<input type="checkbox"/> WEB 3550, Internet & eCommerce Marketing	3	
<input type="checkbox"/> WEB 4000, Dynamic Web Development	3	IT 4300 & WEB 3000 (all >=C-)
<input type="checkbox"/> WEB 4010, Interactive Development	3	CS 1410 & WEB 3000 (all >=C-)
<input type="checkbox"/> WEB 4600, Senior Project	3	Senior Standing
<b>TOTAL</b>	<b>60-62</b>	
<b>WEB Emphasis Electives (15 credits from the following)</b>	<b>Credits</b>	<b>Prerequisites and Notes</b>
<input type="checkbox"/> ART 2060, Digital Photography	3	
<input type="checkbox"/> CS 2420, Intro to Algorithms and Data Structures	3	CS 1410 (C- or higher)
<input type="checkbox"/> CS 2450, Software Engineering	3	CS 2420 (C- or higher)
<input type="checkbox"/> CS 3005, Programming in C++	3	CS 1410 (C- or higher)
<input type="checkbox"/> CS 3010, Mobile App Development	3	CS 2420 & CS 3005 (all >=C-)
<input type="checkbox"/> CS 3500, Application Development	3	CS 3005 (C- or higher)
<input type="checkbox"/> DES 2800, Digital Publishing	3	DES 1300 (C- or higher)
<input type="checkbox"/> DES 3300, Intro to Digital Video Editing	3	DES 2500 & DES 2600 (all >= C-)
<input type="checkbox"/> DES 3600, 3-D Visualization	3	DES 2500 & DES 2600 (all >= C-)
<input type="checkbox"/> DES 3800, Corporate Identity	3	DES 2500 (C- or higher)
<input type="checkbox"/> DES 4650, Publication Design (was 4700)	3	DES 2600 and DES 3620 (all >=C-)
<input type="checkbox"/> IT 3110, Systems Design and Administration II	3	IT 3100 (C- or higher)
<input type="checkbox"/> IT 4200, Advanced Web Delivery	3	IT 3100 (C- or higher)
<input type="checkbox"/> IT 4400, Network Design and Management	3	IT 2400 (C- or higher)
<input type="checkbox"/> IT 4500, Information Security	3	IT 3100 (C- or higher)
<input type="checkbox"/> MKTG 3010, Marketing Principles	3	Advanced Standing
<input type="checkbox"/> WEB 4900R, Independent Research	1-3	Instructor Permission Required
<input type="checkbox"/> WEB 4920R, Internship	1-3	Instructor Permission Required
<input type="checkbox"/> WEB 4990, Seminar in Web Development	1-6	Instructor Permission Required
<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 & 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. For each cross-listed CS and WEB course, only one may be used to fill elective credits. NOTE: This is a worksheet only. For graduation you must use the 2014-2015 Catalog.		