

**Proposed Requirements for Bachelor of Science Degree in
Computer and Information Technology with
Digital Design (DES) Emphasis**
Effective July 2014

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

DES Emphasis Requirements	Credits	Prerequisites and notes
<input type="checkbox"/> CS 1400, Fundamentals of Programming	3	
<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 2800, Digital Publishing	3	DES 1300 (C- or higher)
<input type="checkbox"/> DES 3300, Intro to Digital Video Editing	3	DES 2500 and DES 2600 (C- or higher)
<input type="checkbox"/> DES 3600, 3D Visualization	3	DES 2500 and DES 2600 (C- or higher)
<input type="checkbox"/> DES 3620, Typography	3	DES 2500 (C- or higher)
<input type="checkbox"/> DES 3710, Advanced Typography	3	DES 2600 and DES 3620 (C- or higher)
<input type="checkbox"/> DES 3800, Corporate Identity	3	DES 2500 (C- or higher)
<input type="checkbox"/> DES 4600, Senior Project	3	Senior Standing
<input type="checkbox"/> ENGL 3010, Writing in the Professions	3	ENGL 2010/A (C or higher)
<input type="checkbox"/> IT 1100, Introduction to Unix	3	
<input type="checkbox"/> IT 2400, Introduction to Networking	3	IT 1100 (C- or higher)
<input type="checkbox"/> MATH 1100, Business Calculus	3	MATH 1050 (C or higher)
<input type="checkbox"/> WEB 1400, Intro. to Internet Development	3	
<input type="checkbox"/> WEB 3000, Internet Publishing and Design	3	CS 1400 and WEB 1400 and DES 2500 and DES 2600 (all \geq C-)
<input type="checkbox"/> WEB 3100, Interactive Multimedia	3	CS 1400 and DES 2500 and DES 2600 (all \geq C-)
TOTAL	54	
DES Emphasis Electives (21 credits from the following)	Credits	Prerequisites and Notes
<input type="checkbox"/> ART 1110, Drawing and Composition	3	
<input type="checkbox"/> ART 2060, Digital Photography	3	
<input type="checkbox"/> ART 3040, Interm Digital Photography	3	ART 2060
<input type="checkbox"/> ART 3070, Adv. Photography II: Digital	3	ART 3040
<input type="checkbox"/> ART 3300, Graphic Design Problems	3	DES 3620 (C- or higher)
<input type="checkbox"/> ART 4750, Packaging Design	3	DES 3620 (C- or higher)
<input type="checkbox"/> CS 1410, Object Oriented Programming	3	CS 1400 (C- or higher)
<input type="checkbox"/> DES 3200, Portfolio Preparation	3	Senior Standing
<input type="checkbox"/> DES 3650, 3D Animation	3	DES 3600 (C- or higher)
<input type="checkbox"/> DES 3750, Graphic Design History	3	DES 3620 (C- or higher)
<input type="checkbox"/> DES 3780, PrePress and Print Production	3	DES 2500 and DES 2600 (all \geq C-)
<input type="checkbox"/> DES 4650, Publication Design	3	DES 2600 and DES 3620 (all \geq C-)
<input type="checkbox"/> DES 4900R, Independent Research	1-3	Instructor Permission
<input type="checkbox"/> DES 4920R, Internship	1-3	Instructor Permission
<input type="checkbox"/> DES 4990, Seminar in Digital Design	1-3	Advanced Standing

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<input type="checkbox"/> IT 4300, Database Design	3	CS 1410 and IT 1100 (all>=C-)
<input type="checkbox"/> MKTG 3010, Marketing Principles	3	
<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 and WEB 3000 (all>C-)
<input type="checkbox"/> WEB 4010, Interactive Development	3	CS 1410 and WEB 3000 (all>C-)
TOTAL	21	

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 DSU 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 ART and DES 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.