

Bachelor of Science in Computer & Information Technology - Web Design & Development Emphasis

The Bachelor of Science in Computer & Information Technology with an emphasis in Digital Design has four basic components:

1. General Education & Institutional Requirements
2. Core Discipline Requirements
3. Discipline Elective Requirements
4. Electives: college-level courses from any prefix to meet Graduation Requirements (p. 2)

Institutional Requirement in Computer Literacy

The DSU Computer Literacy requirement is fulfilled by successfully completing the Computer Science Core Requirement courses CS 1400 Fundamentals of Programming and CS 1410 Object Oriented Programming.

DSU General Education & Institutional Requirements

All DSU General Education and Institutional requirements must be fulfilled. A previously earned degree may fulfill those requirements, but courses must be equivalent to DSU's minimum General Education standards in American Institutions, English, and Mathematics.

Code	Title	Hours
Institutional Requirement in Computer Literacy (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)		
	Computer Literacy	0-6
General Education Core Requirements (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)		
	English	3-7
	Information Literacy	0-1
	Mathematics	3-5
	American Institutions	3-6
	Life Sciences	3-10
	Physical Sciences	3-5
	Laboratory Science	0-1
	Fine Arts	3
	Literature/Humanities	3
	Social & Behavioral Sciences	3
	Exploration	3-5
	Two (2) Global & Cultural Perspectives Courses	0-6
Core Discipline Requirements		
CS 1400	Fundamentals of Programming	3
CS 1410	Object Oriented Programming	3
DES 1300	Design I	3
DES 2300	Design II	3
DES 2600	Creative Imaging	3
DES 2710	Typography I	3
ENGL 3010	Writing in the Professions	3
IT 1100	Introduction to Unix/Linux	3
IT 2400	Intro to Networking	3
IT 3100	Systems Design and Administration I	3
IT 4300	Database Design & Management	3
MATH 1100 or MATH 1210	Business Calculus Calculus I	3-4
WEB 1400	Web Design I: Fundamentals	3
WEB 3100	Interaction Design	3

WEB 3200	Web Application Development I	3
WEB 3400	Web Design II: Essentials	3
WEB 3500	Electronic Commerce	3
WEB 3550	Internet & eCommerce Marketing	3
WEB 4200	Web Application Development II	3
WEB 4400	Web Design III: Advanced Techniques	3
WEB 4600	Senior Project	3

Discipline Electives Requirements

Complete 15 credits from the following:

ART 2060	Digital Photography ¹	3
CS 2420	Introduction to Algorithms and Data Structures	3
CS 2450	Software Engineering	3
CS 3005	Programming in C++	3
CS 3010	Mobile Application Development for Android	3
CS 3020	Mobile Application Development: iOS	3
CS 3500	Application Development	3
DES 2800	Digital Publishing	3
DES 3300	Intro to Digital Video Editing	3
DES 3600	3-D Visualization	3
DES 3800	Branding	3
DES 4650	Publication Design	3
IT 3110	Systems Design and Administration II	3
IT 4200	Advanced Web Delivery	3
IT 4400	Network Design & Management	3
IT 4500	Information Security	3
MKTG 3010	Marketing Principles	3
WEB 3450	Software Engineering	3
WEB 4900R	Independent Research	1-3
WEB 4920	Internship	3
WEB 4990	Seminar in Web Development	3

NOTE: A course may only be used to fulfill one program requirement. Dual-listed courses may only be used once to fill requirements. Consult course descriptions in this catalog to verify dual-listed courses.

Graduation Requirements

1. Complete a minimum of 120 college-level credits (1000 and above).
2. Complete at least 40 upper-division credits (3000 and above).
3. Complete at least 30 upper-division credits at DSU for institutional residency.
4. Cumulative GPA 2.0 or higher.
5. Grade C- or higher in each Core Discipline and Elective Requirement course.

Graduation Plan

Course	Title	Hours
1st Year		
Fall Semester		
DES 1300	Design I	3
ENGL 1010 or ENGL 1010D	Introduction to Writing or Introduction to Writing	3
LIB 1010	Information Literacy	1
MATH 1100	Business Calculus meets General Education (Mathematics) (catalog.dixie.edu/programs/generaleducation/#gerequisitestext)	3
WEB 1400	Web Design I: Fundamentals	3
	Hours	13

Spring Semester

CS 1400	Fundamentals of Programming (CS 1400 & CS 1410 meet Computer Literacy Requirement (catalog.dixie.edu/programs/generaleducation/#gerequirementstext))	3
DES 2300	Design II	3
ENGL 2010	Intern Writing Selected Topics:	3
General Elective: DES 1100 - Intro to Digital Design		3
General Education (Social & Behavioral Sciences) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)		3
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	Hours	15

2nd Year

Fall Semester

CS 1410	Object Oriented Programming (CS 1400 & CS 1410 meet Computer Literacy Requirement (catalog.dixie.edu/programs/generaleducation/#gerequirementstext))	3
IT 1100	Introduction to Unix/Linux	3
WEB 3400	Web Design II: Essentials	3
General Education (American Institutions) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)		3
General Education (Fine Arts / GLOCUP) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)		3
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	Hours	15

Spring Semester

DES 2710	Typography I	3
IT 2400	Intro to Networking	3
IT 4300	Database Design & Management	3
WEB Elective		3
General Education (Literature/Humanities) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)		3
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	Hours	15

3rd Year

Fall Semester

DES 2600	Creative Imaging	3
WEB 3200	Web Application Development I	3
WEB 3550	Internet & eCommerce Marketing	3
General Education (Life Sciences) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)		3
General Education (Physical Sciences) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)		3
General Education (Lab Science) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)		1
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	Hours	16

Spring Semester

ENGL 3010	Writing in the Professions	3
IT 3100	Systems Design and Administration I	3
WEB 3100	Interaction Design	3
WEB 4200	Web Application Development II	3
General Education (Exploration) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)		3
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	Hours	15

4th Year

Fall Semester

WEB 4400	Web Design III: Advanced Techniques	3
WEB 3500	Electronic Commerce	3
Web Elective: Upper Division		3
General Education (Global & Cultural Perspectives) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)		3
WEB Elective		3
General Elective		1
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	Hours	16

Spring Semester

WEB 4600	Senior Project	3
Web Elective: Upper Division		3

Web Elective: Upper Division	3
General Elective	3
General Elective	3
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Hours	15
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Total Hours	120