

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

Program Curriculum

120 credits

DSU General Education Requirements

All DSU General Education 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
General Education Core Requirements (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)		
English		3-7
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

Code	Title	Hours
Core Discipline Requirements		
CS 1400	Fundamentals of Programming	3
CS 1410	Object Oriented Programming	3
DES 1300	Design I	3
DES 2100	Design Thinking	3
DES 2300	Design II	3
DES 2710	Typography I	3
DES 3500	Interface Design	3
ENGL 3010	Writing in the Professions	3
IT 1100	Introduction to Unix/Linux	3
IT 2400	Intro to Networking	3
IT 4200	DevOps Lifecycle Management	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 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
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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 3300	Intro to Digital Video Editing	3
DES 3400	Information Design	3
DES 3800	Branding	3
DES 4100	Interaction Design	3
IT 3100	Systems Design and Administration I	3
IT 3110	Systems Design and Administration II	3
IT 4400	Network Design & Management	3
IT 4500	Information Security	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 the current 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		
First Year Recommended Elective		2
DES 1300	Design I	3
WEB 1400	Web Design I: Fundamentals	3
ENGL 1010 or ENGL 1010D	Introduction to Writing (EN) or Introduction to Writing (EN)	3
MATH 1100	Business Calculus (meets General Education (Mathematics) (catalog.dixie.edu/programs/generaleducation/#gerequisitestext))	3
General Elective		1
Milestones & Notes: Meet with your program advisor. Maintain minimum prerequisite and program grade requirements.		
Hours		15
Spring Semester		
CS 1400	Fundamentals of Programming	3
DES 2300	Design II	3
IT 1100	Introduction to Unix/Linux	3
ENGL 2010	Intermediate Writing Selected Topics: (EN)	3
General Education (Social & Behavioral Sciences) (catalog.dixie.edu/programs/generaleducation/#gerequisitestext)		3
Milestones & Notes: Meet with your program advisor. Maintain minimum prerequisite and program grade requirements.		
Hours		15

2nd Year

Fall Semester

CS 1410	Object Oriented Programming	3
IT 2400	Intro to Networking	3
WEB 3400	Web Design II: Essentials	3
General Education (American Institutions) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)		3
General Education (Fine Arts) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)		3
Milestones & Notes: Meet with your program advisor. Maintain minimum prerequisite and program grade requirements.		
Hours		15

Spring Semester

DES 2710	Typography I	3
IT 4300	Database Design & Management	3
WEB Elective Upper Division		3
WEB Elective: Upper Division		3
General Education (Literature/Humanities) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)		3
Milestones & Notes: Meet with your program advisor. Maintain minimum prerequisite and program grade requirements.		
Hours		15

3rd Year

Fall Semester

DES 2100	Design Thinking	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
Milestones & Notes: Meet with your program advisor. Maintain minimum prerequisite and program grade requirements.		
Hours		16

Spring Semester

DES 3500	Interface Design	3
ENGL 3010	Writing in the Professions	3
IT 4200	DevOps Lifecycle Management	3
WEB 4200	Web Application Development II	3
General Education (Exploration) (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)		3
Milestones & Notes: Meet with your program advisor. Maintain minimum prerequisite and program grade requirements.		
Hours		15

4th Year

Fall Semester

WEB 3500	Electronic Commerce	3
WEB 4400	Web Design III: Advanced Techniques	3
WEB Elective: Upper Division		3
WEB Elective		3
General Elective		3
Milestones & Notes: Apply for graduation (SPRING DEADLINE NOV. 1, FALL DEADLINE APR. 1). Meet with your program advisor. Maintain minimum prerequisite and program grade requirements.		
Hours		15

Spring Semester

WEB 4600	Senior Project	3
WEB Elective		3
WEB Elective		3
General Elective		3
General Elective		2

Milestones & Notes: Double check with advisor for final classes. Maintain minimum program grade requirements. Congratulations!

Hours	14
Total Hours	120
