Web Design and Development - Web and App Development Emphasis, B.S.

The BS in Web Design and Development allows students to study app development for mobile devices, web design, and development for mobile friendly websites, digital magazine publishing, and user experience design. In order to be successful in these areas, students need skills in design and content creation.

Program Requirements

Code	Title	Credit Hours
Total Credit Hours		**120**
Web Design and Development Requirements		**81 Credits**
Complete the requirements		81
Emphasis Requirements		**39 Credits**
DWDD 2620	Web Tools and Frameworks I	3
DWDD 2720	Web Languages I	3
DWDD 3620	Web Tools and Frameworks II	3
DWDD 3720	Web Languages II	3
DWDD 3770	Rich Internet Application Development I	3
DWDD 3780	Rich Internet Application Development II	3
DWDD 4630	Web Content Management	3
Emphasis Elective Requirements:		
Complete 18 credits of electives (at least 5 upper-division)		18
CS 1400	Fundamentals of Programming (3)	
or INFO 1200	Computer Programming I for IS IT	
CS 1410	Object Oriented Programming (3)	
or INFO 2200	Computer Programming II for IS IT	
CS 2420	Introduction to Algorithms and Data Structures (3)	
DGM 1645	Mixed Reality Essentials (2)	
DWDD 2420	Media Formats and Outputs (3)	
DWDD 2510	Interactive Media Production (3)	
DWDD 2520	Digital Product Experiences I (3)	
DGM 281R	Internship (1-8)	
DWDD 3410	Interaction Design Colloquium (3)	
DWDD 3430	Adaptive Media Experiences (3)	
DWDD 3520	Digital Product Experiences II (3)	
DWDD 4430	Adaptive Media II (3)	
Or other advisor-approved electives		

Core Requirements

Code	Title	Credit Hours
Total Credit Hours		**81**
General Education Requirements		**35 Credits**
ENGL 1010	Introduction to Academic Writing CC	3
or ENGH 1005	Literacies and Composition Across Contexts CC	
ENGL 2010	Intermediate Academic Writing CC	3
Complete one of the following:		3
MAT 1030	Quantitative Reasoning QL (3)	

MAT 1035	Quantitative Reasoning with Integrated Algebra QL (6)	
STAT 1040	Introduction to Statistics QL (3)	
STAT 1045	Introduction to Statistics with Algebra QL (5)	
MATH 1050	College Algebra QL (4) (recommended for Business, Education, Science, and Health Professions majors)	
MATH 1055	College Algebra with Preliminaries QL (5)	
MATH 1090	College Algebra for Business QL (3)	
Complete one of the following:		3
HIST 2700 & HIST 2710	US History to 1877 AS and US History since 1877 AS (6)	
HIST 1700	American Civilization AS (3)	
HIST 1740	US Economic History AS (3)	
POLS 1000	American Heritage AS (3)	
POLS 1100	American National Government AS (3)	
Complete the following:		
PHIL 2050	Ethics and Values IH	3
HLTH 1100	Personal Health and Wellness TE	2
or EXSC 1097	Fitness for Life TE	
Distribution Courses:		
Biology		3
Physical Science		3
Additional Biology or Physical Science		3
Humanties Distribution		3
Fine Arts Distribution		3
Social/Behavioral Science		3
Discipline Core Requirements		**46 Credits**
DWDD 1400	Digital Design Essentials	3
DWDD 1410	Interaction Design Essentials	3
DWDD 1420	Communicating Digital Design WE	3
DWDD 1600	Web Essentials	3
DWDD 1720	Scripting for Internet Technologies	3
DWDD 2410	Interaction Design	3
DWDD 241R	Interaction Design Practicum	2
DWDD 2610	Principles of Web Languages	3
DWDD 2590	Portfolio Workshop	3
DWDD 301R	Digital Lecture Series	1
DGM 3110	Corporate Issues in Digital Media WE	3
MKTG 3690	Digital Marketing Analytics	3
DGM 312G	Digital Media for Intercultural Communication GI	3
DGM 3220	Digital Media Project Management	3
DGM 481R	Internship	1
DWDD 490R	Senior Capstone	6

Graduation Requirements

1. Completion of a minimum of 120 semester credits.
2. A minimum of 2.5 GPA in all discipline core courses with no grade lower than a C- required for graduation. To qualify for the portfolio review, DGM courses must be completed with a grade of B- or higher.
3. Residency hours -- minimum of 30 credit hours through course attendance at UVU, with at least 10 hours earned in the last 45 hours.
4. Completion of GE and specified departmental requirements, which includes a portfolio review and acceptance into the degree.
5. Successful completion of at least one Global/Intercultural course.
6. Successful completion of at least two Writing Enriched (WE) courses.

Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track (http://www.uvu.edu/wolverinetrack/).

First Year

Semester 1		Credit Hours

ENGL 1010
    or ENGH 1005
	Introduction to Academic Writing CC
	        or Literacies and Composition Across Contexts CC
		3

Quantitative Literacy		3
Physical Science Distribution		3
DWDD 1400	Digital Design Essentials	3
DWDD 1600	Web Essentials	3
	Credit Hours	**15**

Semester 2		
ENGL 2010	Intermediate Academic Writing CC	3
DWDD 1410	Interaction Design Essentials	3
DWDD 1420	Communicating Digital Design WE	3
DWDD 1720	Scripting for Internet Technologies	3
DWDD Elective		3
	Credit Hours	**15**

Second Year

Semester 3		
American Institutions		3
Social/Behavioral Science Distribution		3
DWDD 2410	Interaction Design	3
DWDD 2610	Principles of Web Languages	3
DWDD 2620	Web Tools and Frameworks I	3
	Credit Hours	**15**

Semester 4		

HLTH 1100
    or EXSC 1097
	Personal Health and Wellness TE
	        or Fitness for Life TE
		2

DWDD 241R	Interaction Design Practicum	2
DWDD 2720	Web Languages I	3
DWDD 2590	Portfolio Workshop	3
DWDD Elective		3
DWDD Elective		3
	Credit Hours	**16**

Third Year

Semester 5		

PHIL 2050
    or PHIL 205G
	Ethics and Values IH
	        or Ethics and Values IH GI
		3

DGM 312G	Digital Media for Intercultural Communication GI	3
DGM 3220	Digital Media Project Management	3
DWDD 3620	Web Tools and Frameworks II	3
DWDD 3770	Rich Internet Application Development I	3
	Credit Hours	**15**

Semester 6		
Biology Distribution		3
Humanities Distribution		3
DGM 3110	Corporate Issues in Digital Media WE	3
DWDD 301R	Digital Lecture Series	1
DWDD 3720	Web Languages II	3
DWDD 3780	Rich Internet Application Development II	3
	Credit Hours	**16**

Fourth Year

Semester 7		
Fine Arts Distribution		3
DGM 481R	Internship	1
DWDD 490R	Senior Capstone	3
DWDD Elective		3

DWDD Elective		3
DWDD Elective		3
	Credit Hours	**16**
Semester 8		
Additional Biology or Science		3
MKTG 3690	Digital Marketing Analytics	3
DWDD 4630	Web Content Management	3
DWDD 490R	Senior Capstone	3
	Credit Hours	**12**
	Total Credit Hours	**120**

Program Learning Outcomes

1. Students will be able to leverage accepted design principles to build visually appealing mockups and wire frames to maximize the user experience.
2. Students will be able to develop functional interfaces using current frameworks and technologies that work on multiple devices.
3. Students will be able to effectively communicate with peers in a work team and clients in both verbal and written forms.