

Web Design & Development B.S.

Design and build the digital products people use every day.

Create websites, apps, prototypes, and user experiences. Use , AI tools, modern technologies, and real-world workflows to design, build, and launch digital products. Become a content creator.



NO PREVIOUS EXPERIENCE REQUIRED.



CREATIVE

</> TECHNICAL



COLLABORATIVE



IMPACTFUL

CHOOSE YOUR EMPHASIS



Interaction & User Experience Design

YOU'LL LEARN TO?

- ✓ Capture, edit, and publish web content
- ✓ Design websites, apps, and digital experiences
- ✓ Create prototypes and design systems
- ✓ Research, test and improve products with real users
- ✓ Build a professional design portfolio



CAREER PATHS



UX Designer



Product Designer



UX Researcher



Content Creator



Web & App Development

YOU'LL LEARN TO?

- ✓ Build mobile/desktop websites and web apps
- ✓ Use HTML code, CSS, JavaScript & frameworks
- ✓ Work with APIs, databases & cloud tools
- ✓ Use AI tools to code, test & build faster
- ✓ Ship complete web digital products

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<html>
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</div>
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CAREER PATHS



Front-End Engineer



Design Engineer



UX/UI Developer



Product Manager

WHY STUDENTS CHOOSE DWDD AT UVU



Project-based classes



Choose your focus



AI-powered courses



Industry skills



Supportive community

TURN YOUR IDEAS INTO DIGITAL PRODUCTS THAT MAKE AN IMPACT

Learn more and see student work!



UX Interaction & User Experience Design

Web Design & Development Bachelor of Science Emphasis

FRESHMAN YEAR - UX DESIGN

UX FOUNDATIONS

Design + Content Creator



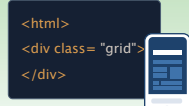
DESIGN THINKING

UX Foundations



WEB BASICS

HTML, CSS & JavaScript



SOPHOMORE YEAR - UX DESIGN

USER RESEARCH

Design + Content



INTERACTION DESIGN

UX Design Foundations



DESIGN SYSTEMS

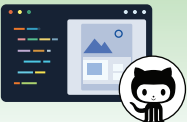
Scalable UI Design



JUNIOR YEAR - UX DESIGN

COLLABORATION

Work with Designers & Devs



AI + WORKFLOWS

Agentic Design + Vibe Coding



DIGITAL PROJECTS

Real-World Experience



SENIOR YEAR - UX DESIGN

CAPSTONE PROJECT

Work with Designers & Devs



FINAL PORTFOLIO

Real-World Experience



PRODUCT THINKING

Career Ready Designer



DWDD UX DESIGN GRADUATE

INTERACTION & USER DESIGN CAREER OPTIONS



UX Designer



Product Designer



UX Researcher



Design Engineer



Content Creator



Product Manager

TOOLS EVERY DWDD STUDENT WILL NEED

UX DESIGN SOFTWARE TOOLKIT



Figma



Adobe Creative Suite



Webflow, Framr, WordPress



Claude Cursor Copilot



GitHub

HARDWARE RECOMMENDATIONS



- ✓ Mac (Apple Silicon) or PC (2-3 years old or newer)
- ✓ 16GB RAM minimum (32GB recommended)
- ✓ (External display recommended)
- ✓ Apple or Android mobile

Web & App Development

Web Design & Development Bachelor of Science Emphasis

FRESHMAN YEAR - WEB & APP DEV

UX FOUNDATIONS

Design + Interface Basics



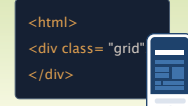
UX AWARENESS

Think Like a User



WEB CORE

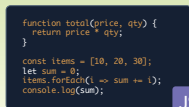
HTML, CSS & JavaScript



SOPHOMORE YEAR - WEB & APP DEV

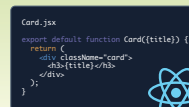
SCRIPTING

Logic + Problem Solving



FRONT-END DEV

Coding Frameworks



DATA + APIS

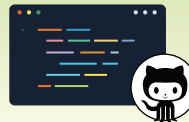
Real Data Integration



JUNIOR YEAR - WEB & APP DEV

COLLABORATION

Work with Designers & Dev



AI + DEVELOPMENT

AI Tools + Vibe Coding



WEB PROJECTS

Application Development



SENIOR YEAR - WEB & APP DEV

CAPSTONE PROJECT

Work with Devs & Designers



FINAL DEV PORTFOLIO

Real-World Experience



PRODUCT DEVELOPMENT

Career Ready Front End Dev



DWDD WEB & APP DEV GRADUATE

WEB & APP DEVELOPMENT CAREER OPTIONS



Web Developer



Front-End Engineer



Design Engineer



App Developer



Product Manager



UX/UI Developer

DEVELOPMENT SOFTWARE TOOLKIT



VS Code, Cursor



React & Other Frameworks



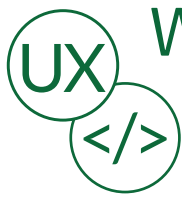
APIs & Databases



Claude ChatGPT Copilot



GitHub



Web Design & Development B.S. Degree

Bachelor of Science in Web Design and Development

Interaction and User Experience Design Emphasis

Web and Application Development Emphasis

Program total Credits: 120

General Education: 30 Credits

Writing

ENGL 1010 (or ENGL 1005)
Introduction to Academic Writing

ENGL 2010
Intermediate Academic Writing

Quantitative Literacy (Choose One)

MAT 1030 / MAT 1035
Quantitative Reasoning

STAT 1040 / STAT 1045 Statistics

MATH 1050 / 1055 / 1090
College Algebra

American Institutions (Choose One)

HIST 1700, HIST 1740,
(HIST 2700 & HIST 2710),
POLS 1000 or POLS 1100

Distribution Areas

Biology Distribution
Physical Science Distribution
Humanities Distribution
Fine Arts Distribution
Social/Behavioral Science
Personal, Professional,
& Civic Growth Distribution

Discipline Core: 45 Credits

DWDD 1400 Digital Design Essentials
or DGM 1110 Digital Media Essentials I

DWDD 1410 Interaction Design Essen

DWDD 1420 Comm Digital Design

DWDD 1600 Web Essentials

DWDD 1720 Scripting for Internet Tech

DWDD 2410 Interaction Design

DWDD 2410R IxD Practicum

DWDD 2610 Web Languages

DWDD 2590 Portfolio Workshop

DGM 3110 Corporate Issues

MKTG 3690 Digital Marketing Analytics

DGM 3120G Intercultural Comm

DGM 3220 Digital Media Project Mngmt

DGM 4810R Internship

DWDD 4900R Senior CapstonTe

Complete 45 credits of Emphasis Interaction & User Experince Design or Web & App Development

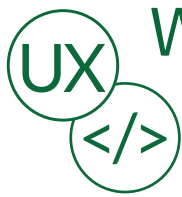
Complete 18 credits of electives (at least 3 credits upper-division)

See emphasis' on next page.

Learn more about UVU's
Web Design & Development
B.S program here!

Learn more about Web Design & Dev





Web Design & Development B.S. Degree

Bachelor of Science in Web Design and Development

Interaction and User Experience Design Emphasis

Web and Application Development Emphasis

Interaction & User Experience Design Emphasis

Credits: 45



UX Design
UVU Catalog

Web & App Development Emphasis

Credits: 45



Web & App Dev
UVU Catalog

UX Design Essentials: 45 Credits

DWDD 2420 Media Formats & Outputs
DWDD 2510 Interactive Media Prod.
DWDD 2520 Digital Product Exp. I
DWDD 3410 IxD Colloquium
DWDD 3520 Digital Product Exp II
DWDD 3430 Adaptive Media Exp.
DWDD 4430 Adaptive Media II
DWDD 4520 Digital Product Design
DWDD 4240 Exp. Design Research



Complete 18 credits of electives (at least 3 credits upper-division)

Some suggested for Product Designers:

ART 1410 Typography I
DGM 1645 Mixed Reality Essentials
DCPR 2400 Digital Photography I
DWDD 2530 Immersive Experiences I
DWDD-2700 AI Web Vibe Coding
DWDD 3261 Mixed Reality Experiences
DCPR 3400 Digital Photography II
DWDD 3530 Immersive Experiences II
DWDD 4630 Web Content Manage.

or other electives of your choice!



Development: 45 Credits

CS 1400 Fundamentals of Programming
DWDD 2620 Web Tools & Frameworks I
DWDD 2720 Web Languages I
DWDD 3620 Web Tools & Frameworks II
DWDD 3720 Web Languages II
DWDD 3770 RIA Dev I
DWDD 3780 RIA Dev II
DWDD 4630 Web Content Manage.



Complete 18 credits of electives (at least 3 credits upper-division)

Some suggested for Web Developers:

CS 1410 Object Oriented Prog.
or INFO 2200 Computer Prog. II
CS 2810 Computer Org. & Architecture
DWDD 2420 Media Formats & Outputs
DWDD 2510 Interactive Media Prod.
DWDD 2520 Digital Product Exp.
DWDD-2700 AI Web Vibe Coding
DWDD 4240 Exp. Design Research
or other electives of your choice!