

MULTIMEDIA DESIGN & DEVELOPMENT

Track: Web Design and Development



ABOUT THIS DEGREE PROGRAM

A PROGRAM TO FUEL YOUR FUTURE

Websites offer a variety of experiences, from the functional to the purely entertaining. But regardless of their purpose, web users want many of the same features: ease of navigation, intuitive action and an attractive interface. Web designers and developers take into account both the visual experience of the website and the back-end coding and databases that drive it.

IS THIS PROGRAM FOR YOU?

If you are interested in learning to design websites, web animation and infographics, this may be the right program for you.

CAREER OPPORTUNITIES

Graduates of DeVry University's [Multimedia Design and Development degree program with a specialization in Web Design and Development](#) may consider careers including, but not limited to, the following:

- Multimedia Developer
- Web Developer
- Web/Graphic Designer
- Website Editor
- Website Producer

WHAT YOU'LL LEARN

ESSENTIALS

- Communicate methods and findings
- Collaborate in dynamic work environments
- Solve complex problems
- Analyze numerical data
- Apply appropriate technologies

PROGRAM

- Understand current web technologies and web development practices
- Write design or edit web page content or direct others producing content
- Learn to evaluate code to ensure that it is accessible, valid and properly structured
- Build and maintain websites
- Understand and be able to use web programming languages such as HTML, CSS and JavaScript as well as industry specific software such as Adobe Creative Cloud

SPECIALIZED

- Use databases and code for front-end and back-end website development
- Learn to program dynamic, interactive web pages and web-based games
- Use multimedia authoring tools and techniques to create web-based games and dynamic web pages
- Explore advanced techniques used to design and develop websites
- Implement websites that meet industry standards and legal requirements for accessibility

QUICK FACTS

122
CREDIT HOURS
minimum credit hours
required for graduation¹

8%
GROWTH
nationally from 2019-2029
for employment of Web
Developers²

2 + 8
YEARS MONTHS
time to complete³

**FLEX
2 FIT**

FLEXIBILITY TO FIT YOUR LIFE

Take courses online, on campus or in our innovative connected classrooms. Study full- or part-time and tailor your DeVry experience to fit your life. Classes start every 8 weeks, so you can begin your college degree when it makes sense for you.



MICROSOFT OFFICE PRODUCTIVITY TOOLS

To ensure you have a robust learning experience, as part of your program, you will use latest version of the Microsoft Office suite to communicate business information, analyze data and report findings.

Adobe

ADOBE CERTIFICATION PREP

DeVry's curriculum is designed with concepts from the Adobe Certification Exam. Earn your bachelor's degree and prepare to pursue the Adobe Certified Associate Exam in Photoshop, Illustrator, InDesign or Animate. Certification signifies an industry standard of achievement.

**DIVERSITY,
EQUITY &
INCLUSION**

BE AN ACTIVE PART OF AN INCLUSIVE FUTURE

Customize your curriculum by choosing Diversity, Equity and Inclusion (DE&I) course alternates for your Communication Skills, Humanities and Social Science courses. These options highlight relevant topics to help empower you to promote an inclusive workplace.

¹ 125 for students enrolled at a Pennsylvania location. ²<https://www.bls.gov/ooh/computer-and-information-technology/web-developers.htm>. Growth projected on a national level. Local growth will vary by location.

³ Not including breaks. Assumes year-round, full-time enrollment. Additional program information may be found at <https://www.devry.edu/online-programs.html>.

Multimedia Design & Development | Web Design and Development

ESSENTIALS

50
CREDIT HOURS

COMMUNICATION SKILLS¹

ENGL112 ²	Composition
ENGL135	Advanced Composition
ENGL216	Technical Writing

Select one

SPCH275	Public Speaking
SPCH276	Intercultural Communication ☼

HUMANITIES^{3,4}

LAS432	Technology, Society, and Culture ☼
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Select one

ETHC334	Diversity, Equity and Inclusion in the Workplace ☼
ETHC445	Principles of Ethics

Select one

HUMN303	Introduction to the Humanities
HUMN304	Multi-Ethnic Humanities ☼

SOCIAL SCIENCES

ECON312 ⁵	Principles of Economics
SOCS185	Culture and Society ☼

Select one

SOCS325	Environmental Sociology
SOCS350	Cultural Diversity in the Professions ☼

MATHEMATICS & NATURAL SCIENCES

MATH114	Algebra for College Students
MATH221	Statistics for Decision-Making
SCI228 ⁶	Nutrition, Health and Wellness with Lab

PERSONAL AND PROFESSIONAL DEVELOPMENT

CARD405	Career Development
COLL148	Critical Thinking and Problem-Solving

☼ This icon indicates Diversity, Equity & Inclusion Courses

¹ 14 for students enrolled at a New Jersey location.

² Students enrolled at a New Jersey location take ENGL108 in lieu of this course.

³ Students enrolled at a Pennsylvania location must take HUMN451 as part of this requirement.

⁴ 12 for students enrolled at a Pennsylvania location.

⁵ Students enrolled at a Nevada location must take POLI332 in lieu of this requirement.

⁶ Students enrolled at a New Jersey location may take SCI200 to fulfill this requirement.

PROGRAM

53
CREDIT HOURS

BUSINESS AND COMPUTING

BUSN115	Introduction to Business and Technology
COMP100	Computer Applications for Business with Lab

MULTIMEDIA CORE

CIS363B	Web Interface Design with Lab
MDD310	Multimedia Standards
MDD340	Business of Graphics
WGD201	Visual Design Fundamentals
WGD205	Advanced Design and Rapid Visualization
WGD210	Digital Imaging Fundamentals
WGD229	Information Design
WGD235	Web Animation
WGD242	Advanced Web Design
WGD251	Responsive Web Design

CAREER PREPARATION

MGMT404	Project Management
TECH460	Senior Project
WGD260	Media Portfolio

SPECIALIZED

20
CREDIT HOURS

WEB DESIGN AND DEVELOPMENT

CEIS236	Database Systems and Programming Fundamentals
WBG310	Interactive Web Page Scripting with Lab
WBG340	Programming Multimedia for the Web with Lab
WBG410	Dynamic Website Development and Database Integration with Lab
WDD420	Web Accessibility with Lab

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