WEB DESIGN & DEVELOPMENT

For students interested in becoming masters of the web. Learn everything from UI/UX design to backend programming including new technologies with HTML5, CSS3, JavaScript.

Web Design & Development

Welcome to Web Design & Development

The DSU Computer and Information Technology 4-Year Degree program offers an emphasis in Web Design & Development (or WEB). The WEB emphasis is for students interested in website design, web development, UI/UX, and Server Side Scripting. In the paragraphs below you will find DSU course listings next to the job requirements. These course listings correspond to specific courses that teach the skills employers seek. Please take the time to browse through these careers and course offerings below. We also invite you to come in and test drive the latest in computer hardware and software and explore your own creative and technical abilities while you learn with us at Dixie State University's Web Design & Development program.

Web Development

Web developers build web sites. Web developers are at times artists doing interface designs and conceptualizing a project and they are also programmers or system administrators writing code and managing all the elements of a web site. Web developers are interdisciplinary in nature, meaning they must possess a combination of code skills as well as artistic and interface design skills, among other things. Since web development is interdisciplinary, the courses offered to DSU students through the CIT program are from the CS, CIS, WEB and DES programs. The specific CIT courses that teach web development include:

- DES 1300 Communication Design
- WEB 1400 Intro to Internet Development
- DES 2500 Computer Illustration
- DES 2600 Creative Imaging
- WEB 3000 Internet Publishing and Design
- WEB 3100 Interaction Design
- WEB 3500 Electronic Commerce
- WEB 3550 Internet Marketing
- WEB 4000 Dynamic Web Development
- WEB 4010 Interactive Web Development
- IT 3100 Systems Administration I
- IT 3110 Systems Administration II
- IT 4200 Advanced Web Delivery
- IT 4300 Database Design

Job requirements include:

- 4 year degree in computer and information technology or web development, graphic design, or related field
- experience in web development field – show portfolio of web sites
- Proficiency in Adobe Photoshop (DES2600), Illustrator (DES1300, DES2500), and interaction design UI/UX (WEB3100), HTML (WEB1400), CSS (WEB3000), Dynamic Web Development - PHP, Ruby on

Rails, Django, Go, NodeJS (WEB4000), SQL – databases (IT4300), JavaScript (WEB4010), interface design (WEB000), server administration – unix (IT3100 and IT3110), apache administration (IT4200).

- Networking skills
- Macintosh and PC skills