

SOME SEE

VISUAL TECHNOLOGIES COURSES

PRISCILLA CHAVES, graphic design

Visual Technologies

Welcome to the Visual Technologies

The DSU Computer and Information Technology 4-Year Degree program offers an emphasis in Visual Technologies (or VT). The VT emphasis is for students interested in graphic arts, graphic design, desktop publishing, Illustration, computer graphics, web development, multimedia development, and digital video development. In the paragraphs below you will find descriptions of each of these fields as well as many of the job requirements employers are requesting. Additionally, 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 Visual Technologies program.

Graphic Design

The practice or profession of designing print or electronic forms of visual information, as for an advertisement, CD, publication, or website. The Visual Technologies courses that teach graphic design include:

- [VT 1300 Communication Design](#)
 - [VT 1400 Intro to Internet Development](#)
 - [VT 2500 Computer Illustration](#)
 - [VT 2600 Creative Imaging](#)
 - [VT 2800 Digital Publishing](#)
 - [VT 3000 Internet Publishing and Design](#)
 - [VT 3100 Multimedia Development](#)
 - [VT 3200 Portfolio Preparation](#)
 - [VT 3620 Typography](#)
 - [VT 3710 Advanced Typography](#)
 - [VT 3750 Graphic Design History](#)
 - [VT 3780 Prepress and Print Production](#)
 - [VT 3800 Corporate Identity](#)
 - [VT 4700 Publication Design](#)
 - [VT 4750 Package Design](#)
 - [ART 2060 Digital Photography](#)
 - [ART 3060 Digital Commercial Studio Photography](#)
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Job requirements include:

- 4 year degree in a design related field (graphic design, visual technologies, desktop publishing, graphic arts, etc.)
- experience in the design field - show portfolio of design work

- Proficiency in Adobe Photoshop (VT2600), Illustrator (VT1300, VT2500), Web design and development (VT1400, VT 3000), Advanced conceptualization and design (VT3200), and interactivity including Flash (VT3100).
 - Networking skills
 - Macintosh and PC skills
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Illustration

Artists design illustrations, generally using computers. An illustration is a visual representation, type, picture, design, symbol, emblem, or diagram, that are used to represent or make some subject more pleasing or easier to understand. The Visual Technologies courses that teach illustration include:

- [VT 1300 Communication Design](#)
 - [VT 2500 Computer Illustration](#)
 - [VT 3100 Multimedia Development](#)
 - [VT 3200 Portfolio Preparation](#)
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Job requirements include:

- 4 year degree in a design related field (graphic design, visual technologies, desktop publishing, graphic arts, etc.)
 - experience in the design field - show portfolio of design work
 - Proficiency in Adobe Photoshop (VT2600), Illustrator (VT1300, VT2500), Advanced conceptualization and design (VT3200), and interactivity including Flash (VT3100).
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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 DSC students through the CIT program are from the CS, CIS, and VT programs. The specific CIT courses that teach web development include:

- [VT 1300 Communication Design](#)
 - [VT 1400 Intro to Internet Development](#)
 - [VT 2500 Computer Illustration](#)
 - [VT 2600 Creative Imaging](#)
 - [VT 3000 Internet Publishing and Design](#)
 - [VT 3100 Multimedia Development](#)
 - [VT 4000 Dynamic Web Development](#)
 - [VT 4010 Interactive Web Development](#)
 - [IT 3500 Electronic Commerce](#)
 - [IT 4300 Database Design](#)
 - [IT 4100 Systems Administration I](#)
 - [IT 4110 Systems Administration II](#)
 - [IT 4200 Advanced Web Delivery](#)
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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 (VT2600), Illustrator (VT1300, VT2500), and interactivity including Flash (VT3100), HTML (VT1400), CSS (VT3000), XML (VT3000), PHP (VT4000), SQL - databases (CIS3600 and VT4000), JavaScript (VT4010), interface design (VT3000), server administration - unix (CIS4100 and CIS4110), apache administration (CIS4200).
 - Networking skills
 - Macintosh and PC skills
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Multimedia Development

Multimedia is the combined use of media, such as text, graphics, video, sound for education or entertainment. The end products of multimedia development include movies, music, DVDs, CD-ROMs, radio, print, television, and the Internet. The Visual Technologies courses that teach multimedia development include:

- [VT 3000 Internet Publishing and Design](#)
 - [VT 3100 Multimedia Development](#)
 - [VT 3300 Digital Video Editing](#)
 - [VT 3600 3-D Computer Graphics](#)
 - [VT 4100 Advanced Multimedia Development](#)
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Job requirements include:

- 4 year degree in a multimedia related field (graphic design, visual technologies, desktop publishing, graphic arts, etc.)
 - experience in the multimedia field - show portfolio of design work
 - Proficiency in Adobe Photoshop (VT2600), Illustrator (VT1300, VT2500), Web design and development (VT1400, VT 3000), Advanced conceptualization and design (VT3200), and interactivity including Flash (VT3100), dynamic databases (VT 4000 and VT4100), Javascript (VT4010), Actionscript - Flash (VT3100), Lingo - Director (VT4100), Final Cut Pro HD (VT 3300), DVD Studio (VT4100), Quicktime (VT3300), and 3-D - Lightwave, Maya, 3-D Studio Max, Strata3D (VT3600) .
 - Networking skills
 - Macintosh and PC skills
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Digital Video

Digital video developers plan, script, capture, produce, manage, and edit digital video projects for CD, DVD, and the Web. The Visual Technologies courses that teach digital video skills include:

- [VT 3100 Multimedia Development](#)
 - [VT 3300 Digital Video Editing](#)
 - [VT 3600 3-D Computer Graphics](#)
 - [VT 4100 Advanced Multimedia Development](#)
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Job requirements include:

- 4 year degree in a IT or related field (graphic design, visual technologies, graphic arts, etc.)
- experience in the digital video field - show portfolio of design work
- Proficiency in Adobe Photoshop (VT2600), Illustrator (VT1300, VT2500), Advanced conceptualization and design (VT3200), and interactivity including Flash (VT3100), Director (VT4100), Final Cut Pro HD (VT 3300), DVD Studio (VT4100), Quicktime (VT3300), and 3-D - Lightwave, Maya, 3-D Studio Max, Strata3D (VT3600) .
- Networking skills
- Macintosh and PC skills