

# Computer Desktop Publishing (CDTP)

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## Courses

### **CDTP 135 Desktop Photo Manipulation I: Photoshop\* (1 Hour)**

**Prerequisites :** Basic computing skills are recommended.

In this career-related short course, students will learn software training in Adobe Photoshop by producing raster images. Students will create and edit photos and raster images through digital manipulation. Students will study tools, techniques, electronic color theory, graphic formats, file management skills, image and device resolution, and project workflows with photos and raster images.

### **CDTP 140 Desktop Publishing I: InDesign\* (1 Hour)**

**Prerequisites :** Basic computing skills are recommended.

In this career-related course, students will learn software training in Adobe InDesign by producing page layout documents. Students will create single and multi-page documents, digital typography, and page layouts by arranging and distributing images, graphics, and other design elements. Students will study tools, techniques, graphic formats, file management skills, and project workflows with digital images, graphics, and text assets.

### **CDTP 145 Desktop Illustration I: Illustrator\* (1 Hour)**

**Prerequisites :** Basic computing skills are recommended.

In this career-related course, students will learn software training in Adobe Illustrator by producing digital illustrations. Students will create vector graphics and illustrations utilizing digital drawing, painting, and shape tools. Students will study tools, techniques, graphic formats, electronic color theory, file management skills, and project workflows with graphics and text assets.

### **CDTP 155 Desktop Photo Manipulation II: Photoshop\* (1 Hour)**

**Prerequisites :** CDTP 135 or CDTP 190.

In this career-related short course, students will manipulate digital photographs and images using a variety of introductory to intermediate techniques on either the Macintosh or PC computer platform. Students will apply techniques to edit masks and channels, process and enhance multiple image file formats, group and apply adjustments to layers, automate common tasks, create composite images, learn and apply intermediate scanning techniques, and apply multiple creative and adjustment filters on a variety of digital photographs and images.

### **CDTP 160 Desktop Publishing II: InDesign\* (1 Hour)**

**Prerequisites :** CDTP 140 or CDTP 190.

In this career-related course, students will create intermediate-level page layout documents using a variety of techniques on either the Macintosh or PC computer platform. Students will learn how to work with type styles, threads, columns, special characters, hanging indents, vertical spacing, and tables as well as explore PDF files. Students will also be able to master several aspects of working with graphic images: placing images, linking, clipping paths, libraries, grids, compound paths, reflections, and drawing Bézier curves. Finally, students will work with advanced framing techniques to nest frames within shapes.

### **CDTP 165 Desktop Illustration II: Illustrator\* (1 Hour)**

**Prerequisites :** CDTP 145 or CDTP 190.

In this career-related course, students will create intermediate-level computer-generated illustrations using a variety of techniques on either the Macintosh or PC computer platform. Students will trace an object, create complex gradients with custom blends, create complex objects receding toward a vanishing point, and create an orthogonal projection to simulate depth.

### **CDTP 168 Desktop Publishing III: InDesign\* (1 Hour)**

**Prerequisites :** CDTP 160.

In this career-related course, students will create advanced-level page layout documents using a variety of techniques on either the Macintosh or PC computer platform. Students will learn how to work with advanced color specifications, transparency blending modes, long document organization, and brochure layout production art.

### **CDTP 175 Desktop Photo Manipulation III: Photoshop\* (1 Hour)**

**Prerequisites :** CDTP 155.

In this career-related short course, students will manipulate digital photographs and images using a variety of beginning, intermediate and advanced techniques on either the Macintosh or PC computer platform. Students will apply techniques to create and design typographic elements, use vector drawing techniques, prepare images for print, optimize images for web output, and use a digital photo preparation workflow on a variety of digital photographs and images, including scanned images.

### **CDTP 185 Desktop Illustration III: Illustrator\* (1 Hour)**

**Prerequisites :** CDTP 165.

In this career-related course, students will create advanced computer-generated illustrations using a variety of techniques on either the Macintosh or PC computer platform. Students will create charts, autotrace scanned images, fill objects with various pen-and-ink filter effects and create an image map for the Web.

**CDTP 190 Applications for Visual Design\* (3 Hours)**

**Prerequisites :** Basic computing skills are recommended.

In this career-related course, students will learn basic digital media skills, key concepts, and software training in various industry-standard and Adobe Creative Cloud applications through the production of visual design projects. Students will create raster images, vector graphics, and typography for web, print, and motion media. Students will study tools, techniques, electronic color theory, graphic formats, image, and device resolution, and synthesize digital media visual design projects.

**CDTP 291 Independent Study\* (1-7 Hour)**

**Prerequisites :** 2.0 GPA minimum and department approval.

Independent study is a directed, structured learning experience offered as an extension of the regular curriculum. It is intended to allow individual students to broaden their comprehension of the principles of and competencies associated with the discipline or program. Its purpose is to supplement existing courses with individualized, in-depth learning experiences. Such learning experiences may be undertaken independent of the traditional classroom setting, but will be appropriately directed and supervised by regular instructional staff. Total contact hours vary based on the learning experience.