



University of California
San Diego Extension

CERTIFICATE PROGRAM BENEFITS

- Hands-On Training
- Industry Experienced Instructors
- Courses that are aligned with professional trends and standards
- Portfolio Development and Review

SPECIALIZED CERTIFICATE IN

Digital Imaging

This series of courses is designed for the individual who desires to learn the skills and techniques necessary to develop and manipulate graphic images in the digital environment. To be effective in the digital imaging environment, individuals must develop both specialized knowledge of the graphics and digital media environment and an ability to use the appropriate professional digital imaging hardware and software.

The Specialized Certificate in Digital Imaging covers both the theoretical and the practical, with an emphasis with the emphasis on those effective applications relevant to the digital-imaging environment. Successful completion of this program provides the background necessary for working in the field of Digital imaging.

PREREQUISITE COURSE (3 units)

- Digital Media (ART-40206) 3 units

REQUIRED COURSES (12 units)

- Design Essentials A (ART-40092) 3 units
- Digital Imaging 1: Adobe PhotoShop 1A (ART-40117) 3 units
- Digital Imaging 2: PhotoShop 1B (ART-40118) 3 units
- Advanced Digital Imaging Techniques and Critical Review (ART-40168) 3 units
- Digital Imaging: Project Development (ART-40176) 3 units
- Independent Study



Digital Imaging

COURSE DESCRIPTIONS

PREREQUISITE COURSE

Digital Media
(ART-40206) 3 units

This course provides designers, artists, and those entering the field of graphic design for publication layout, web design, and interactive multimedia with a comprehensive overview of how computers and graphic design principles interface. Students begin by learning computer terminology, file management and design criteria as they relate to digital media and visual communication. The class will focus on five main topical areas: the design process, digital imaging (Photoshop); digital illustration (Illustrator); page layout and presentation (InDesign/QuarkXPress); and technology and interactive media.

NOTE prerequisite: Basic MAC or PC working knowledge.

REQUIRED COURSES

Digital Design
Essentials A
(ART-40092) 2 units

This course introduces students to the principles of gestalt-graphic unification through pattern seeking. This valuable approach to organizing elements in a design layout, whether it is a printed publication, or a web page layout is critical to establishing a basis for making sound design decisions. In addition, this course explores the digital properties of typography, font aesthetics and color theory as it relates to screen, web and printed publications. The finished student design projects will be created and reviewed through a critical evaluation process.

NOTE prerequisite: "Digital Media" (ART-40206) or department approval.

Digital Imaging 1:
PhotoShop 1A
(ART-40117) 3 units

This course introduces the photographic capabilities of computers and provides instruction in scanning color and black-and-white images. Using Adobe PhotoShop software, students learn to perform all the manipulations that were previously possible only in the darkroom and practice experimenting with aspects of image making that are possible only on a computer. *NOTE prerequisite:* "Digital Media" (ART-40206) or equivalent knowledge.

Digital Imaging 2:
PhotoShop 1B
(ART-40118) 3 units

This intermediate studio/production course explores more advanced features and uses of Photoshop, with an emphasis on merging photographic images with digital technology. Using Adobe Photoshop software, students perform all of the manipulations that could previously be accomplished only in the darkroom and experiment with aspects of image-making that are possible only on a computer. Although most of the class time is devoted to hands-on practice, readings and discussions also allow participants to explore theoretical and ethical questions posed by this technology. Students are encouraged to experiment and push the boundaries of this developing art form.

NOTE prerequisite: "Digital Imaging 1" (ART-40117) or equivalent knowledge.

Digital Imaging:
Project
Development
(ART-40176) 3 units

This course allows students to create a number of original digital images, directed by specific functional applications, such as publications, web, CD, etc. Projects will be reviewed, and critiqued for their creativity, style effectiveness and technical construction. Completion of this course will provide each student with finished digital images for inclusion into their portfolios.