

Digital Imaging - PTI307 - 18 weeks

DoDEA Student Competencies

The table below is a competency list for the Digital Imaging course. The competencies are considered essential and are required of all students.

Comp #	TASKS/COMPETENCIES
Implementing DoDEA's CTE Course Requirements	
• 001	Demonstrate DoDEA's Workplace Readiness Skills in course activities.
• 002	Identify issues related to this field of study that affect the environment and impact local and global communities.
• 003	Identify Internet safety issues and procedures for complying with acceptable use standards.
Demonstrating Knowledge of Hardware, Software, and Operating System Requirements	
• 004	Identify operating system and hardware requirements (e.g., monitor size and resolution, input devices, output devices, display devices including those used for large audiences) for most digital imaging software.
• 005	Obtain assistance via electronic and hard copy references and documentation.
• 006	Back up files, using either the server or on removable media.
Applying Principles of Layout and Design	
• 007	Identify appropriate audience, purpose, requirements, and production schedule for the project.
• 008	Apply principles of design, layout, and typography.
Producing Digital Images for Electronic Distribution	
• 009	Convert a document to electronic format (e.g., PDF files).
• 010	Critique project to determine if the appropriate software and other materials were selected based on the purpose of the publication, intended audience, output format, and time and cost constraints.
Imaging Technology	
• 011	Examine the physical properties of light and optical systems as related to photography.
• 012	Use various techniques to correct, enhance, or transform an image.
• 013	Maintain a portfolio of photographic images.
• 014	Capture and/or create digital images using hardware and software.
Producing Images Using Imaging Software	
• 015	Identify the components of an effective digital imaging software application.
• 016	Describe various output options for multimedia software (e.g., slide show, transparencies, slide handouts, CD ROM).
• 017	Draw and edit objects incorporating features such as fills, borders, and lines.
• 018	Incorporate visual elements using scanned images, digital photography, graphics, and video images.
• 019	Create handouts and other visuals.
Exploring Legal and Ethical Issues	
• 020	Identify and comply with copyright and patent laws pertaining to scanned images and documents, electronic clip art, recorded sounds, recorded and scanned photography, video clips, trademarks, and other elements adapted for use in digital imaging.
• 021	Identify situations where scanned/digitized audiovisual elements, documents, and electronic graphics may be used legally but are ethically questionable.
• 022	Identify and comply with licensing agreements associated with digital imaging.
Preparing for Industry Certification	
• 023	Describe the process and requirements for obtaining industry certifications related to the digital imaging course.
• 024	Identify testing skills/strategies for a certification examination.
Developing Employability Skills	
• 025	Explore careers in the digital imaging field.
• 026	Create or update a portfolio.
• 027	Investigate new and emerging trends in ePublishing, photography, and digital media.