

Colorado BMEF CTE Course – Scope and Sequence

Course Name	Adobe Photoshop I	Course Details	Credits = .5 (Semester) Level 3
		Course = 0.50 Carnegie Unit Credit	
Course Description	Concentrates on the high-end capabilities of Adobe Photoshop as an illustration, design and photo retouching tool. Students explore a wide range of selection and manipulation techniques that can be applied to photos, graphics and videos. Course competencies and outline follow those set out by the Adobe Certified Associate exam in Visual Communication Using Adobe Photoshop.		
Note	This is a suggested scope and sequence for the course content. The content will work with any textbook or instructional resource. If locally adapted, make sure all competencies are covered. This class aligns to the CCNS course number (MGD111) . Additional resources may be available through the Multimedia CTE Pathway . The appropriate Technology/IT/Multimedia Credential is required to teach this class in the BMEF pathway. Please contact your local community college for further information regarding opportunities for credit.		
SCED Identification #		Schedule calculation based on 60 calendar days of a 90-day semester. Scope and sequence allows for additional time for guest speakers, student presentations, field trips, remediation, or other content topics.	
All courses taught in an approved CTE program must include Essential Skills embedded into the course content. The Essential Skills Framework for this course can be found at https://www.cde.state.co.us/standardsandinstruction/essentialskills			
The competencies you will demonstrate in this course are as follows (CLOs): 1. Examine the Adobe Photoshop application and determine the relationship with other multimedia applications. 2. Use Adobe Photoshop as the software to generate computer graphics. 3. Combine Graphic techniques. 4. Demonstrate usage of design principles by applying them in their arrangement of graphic and text elements. 5. Use a scanner, digital camera, and CD stock images to import images into Photoshop application. 6. Make selections with selection tools. 7. Create effective composites. 8. Create basic shapes and designs and then color them using a variety of methods. 9. Paint and fill images with color. 10. Organize artwork in each file. 11. Set-up and use layers and palettes. 12. Measuring image and objects using the ruler and guides. 13. Comprehend basic functions of masks and channels.			

Instructional Unit Topic	Suggested Length of Instruction	Course Learning Outcomes	Competency / Performance Indicator	Outcome / Measurement	CTSO Integration
Project Requirements & Project Management	3 Weeks	CLO 1 CLO 2	1a. Identify purpose, audience, and audience needs 1b. Apply copyright rules for images 1c. Define project management tasks 1d. Communicate design plans to peers/clients	Students define a project scope, identify target audience, and articulate copyright constraints. Assessment: Project brief; copyright quiz; peer communication activity	FBLA: Graphic Design Visual Design Digital Video Production Business Ethics Business Plan Project Management Future Business Leader Introduction to Business Concepts DECA: Integrated Marketing Campaign Events Marketing Management Team Business Services Operations Research Business Solutions Project Community Awareness Project Entrepreneurship Series Innovation Plan
Design Elements & Image Creation	4 Weeks	CLO 1 CLO 2 CLO 4 CLO 5	2a. Understand image resolution, size, file formats 2b. Apply design principles, elements, composition 2c. Use typography effectively 2d. Perform color correction 2e. Identify image-generating devices	Students identify appropriate file formats for print/web/video; apply design principles in original compositions; demonstrate color theory knowledge. Assessment: Design principles portfolio; terminology exam; image format chart	FBLA: Graphic Design Visual Design Digital Animation Digital Video Production Advertising Introduction to Marketing Concepts Social Media Strategies Introduction to Social Media Strategy DECA:

			2f. Apply key digital imaging terminology		Integrated Marketing Campaign Events Marketing Communications Series Sports & Entertainment Marketing Ops Research Buying & Merchandising Operations Research Innovation Plan
Adobe Photoshop Knowledge & Interface	4 Weeks	CLO 1 CLO 2 CLO 10 CLO 11 CLO 13	3a. Navigate the Photoshop user interface 3b. Work with layers and masks 3c. Import, export, organize, and save files 3d. Produce and reuse images efficiently 3e. Manage color workflow	Students demonstrate proficiency navigating the Photoshop workspace, managing layers/masks, and applying color management workflows. Assessment: UI navigation lab; layered composition project; import/export checklist	FBLA: Graphic Design Visual Design Computer Applications Digital Animation Digital Video Production Introduction to Information Technology Computer Problem Solving Website Design DECA: Integrated Marketing Campaign Events Marketing Management TDM Business Solutions Project Innovation Plan Virtual Business Challenge–Fashion Virtual Business Challenge–Retail
Image Manipulation Using Adobe Photoshop	7 Weeks	CLO 2 CLO 3 CLO 4 CLO 6 CLO 7 CLO 8	4a. Create and refine selections 4b. Use guides and rulers for precision 4c. Apply transform tools	Students apply advanced manipulation techniques including selections, transforms, retouching, blending, typography, and filters. Assessment: Composite photo project; retouching portfolio; type	FBLA: Graphic Design Visual Design Digital Animation Digital Video Production Public Service Announcement

		CLO 9 CLO 12	4d. Adjust tonal range, color, and distortions 4e. Retouch and blend images 4f. Use drawing and painting tools 4g. Apply type tools 4h. Apply and manage filters	design poster; filter effects journal	Broadcast Journalism Social Media Strategies Introduction to Social Media Strategy Advertising DECA: Integrated Marketing Campaign Events Communications Series Sports & Entertainment Marketing Series Sports & Entertainment Marketing Ops Research Buying & Merchandising Operations Research Innovation Plan Business Growth Plan
Publishing Digital Images Using Adobe Photoshop	3 Weeks	CLO 2 CLO 3 CLO 4 CLO 7	5a. Prepare and export images optimized for web 5b. Prepare and export images for print production 5c. Prepare and export images for video integration	Students prepare and export completed projects in appropriate formats for web, print, and video, meeting professional output standards. Assessment: ACA mock exam; multi-format export capstone; professional portfolio submission	FBLA: Graphic Design Visual Design Digital Video Production Digital Animation Public Service Announcement Website Design Website Coding & Development Social Media Strategies Introduction to Social Media Strategy Broadcast Journalism DECA: Integrated Marketing Campaign Events Marketing Communications Series Sports & Entertainment Marketing Ops Research

					Business Operations Research Innovation Plan Business Growth Plan Sales Project
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Academic Standards Alignment

Colorado CTE courses are required to integrate academic and essential skills into course content. The following academic standards have been identified as aligned to this course and should be integrated throughout instruction.

[CO CTE Academic Standards Resources](#) (Rubrics, integration strategies, etc)

[CDE Colorado Academic Standards Online](#) (Online standards lookup tool)

Reading, Writing, & Communicating

Standard 1: Oral Expression and Listening

- **Prepared Graduate 1:** Collaborate effectively as group members or leaders who listen actively and respectfully; pose thoughtful questions, acknowledge the ideas of others; and contribute ideas to further the group's attainment of an objective.

Standard 2: Reading for All Purposes

- **Prepared Graduate 5:** Understand how language functions in different contexts, command a variety of word-learning strategies to assist comprehension, and make effective choices for meaning or style when writing and speaking.

Standard 3: Writing and Composition

- **Prepared Graduate 7:** Craft informational/explanatory texts using techniques specific to the genre.

Standard 4: Research Inquiry and Design

- **Prepared Graduate 10:** Gather information from a variety of sources; analyze and evaluate its quality and relevance; and use it ethically to answer complex questions.

Note: Mathematics and Science standards will be added in the future. Visit the [Colorado Academic Standards](#) page for the most current version.