DIGITAL IMAGING I: ADOBE PHOTOSHOP
Pierce County Careers Connection
Dual Credit Articulation Agreement

Upon completion of a full year of high school or equivalent to the following competencies:

Start-up, Help, and File Management

- ☐ Perform
  - Opening Adobe Photoshop
  - Restoring Default Preferences
  - Using Photoshop Help and Adobe Online Services
  - Saving and Exporting Images
- ☐ Demonstrate Navigation , Previewing, Searching and Managing Files in Adobe Bridge
  - Viewing and editing files
  - Embedding information for easy identification
  - Searching for files
  - Organizing files as Favorites and Collections
  - Creating a web photo gallery
  - Creating a pdf portfolio
  - Acquiring stock photography
- ☐ Prepare Workspace
  - Adjust the monitor display color
  - Use Info Palette
  - Use Navigation Palette

Work with color

- ☐ Consistent Color
  - Aware of color management
  - Aware of color work spaces
  - Aware of different color settings

Color Modes

- ☐ Understand the color wheel
- ☐ Understand the difference between RGB, CMYK, lab, bitmap, grayscale, Duotone, indexed color and multi-channel modes
- ☐ Use Mode based on intended final use
- ☐ Converting RGB image to Grayscale
- ☐ Apply monochrome, duotone, tritone, or quadtone to gray scale
- ☐ Channel Palette
  - Understand color channels
  - Create an alpha channel
  - Create a spot channel
  - Selecting and editing channels
- ☐ Color picker
  - Set Toolbox foreground, background, default color
  - Select and choose color picker hue and fill or shape layer
  - Gradient editor, layer styles, shapes or pen tool
  - Eyedropper tools
  - Use color field an slider
  - Use numeric values
  - Work in RGB, HSL, and Lab
  - Use Web-Safe colors
  - Alert to warning for non-printable colors
  - Aware of custom color choices

Basic Color Correction

- ☐ Understand Color Space and Gamut
- ☐ Analyze Correction Needs
  - Identify a sequence of tasks for image color correction
  - Adjust the process for the intended use; web, print, multi-media , etc.
  - Aware of soft-proofing colors for print
  - Determine and adjust the resolution and image size
  - Crop the image
- ☐ Apply Adjustments and Sharpen
  - Use a histogram
  - Use adjustments for overall contrast/tonal range (shadow/highlight, levels)
  - Use adjustments for overall color cast
  - Use adjustments for color and tone in specific parts of image (replace color, dodge, sponge tools)
  - Use levels dialog box
  - Use curves dialog box
  - Use hue/saturation command
  - Use color balance command
  - Apply special color effects to images
  - Use channel mixer
  - Sharpen the final image applying a filter (unsharp mask)

Layers: Basic and Advanced

- ☐ Using the Layers Palette
  - Rename and copy layers
  - Merge and flatten layers
  - View individual layers
  - Rearrange layers
  - Lock layer; image, transparent, total
  - Change layer and fill opacity
  - Link layers
  - Create layers and layer sets
  - Transform layers
  - Smart objects – grouping layers into smart objects
- ☐ Choose Layer Blending Mode and Options
  - Explain base, blend, and result colors during blending
  - Select appropriate blend modes for intended look
  - Group blend effects
  - Specify knockout options
  - Restrict blending to channels
- ☐ Use Layer Effects and Styles
  - Scale, copy, paste, clear
  - Select options structure, elements, etc.
- ☐ Use Adjustment and Fill Layers
  - Create, edit, and merge adjustments and fills
  - Clip adjustments to layer
- ☐ Work with Layer Comps: create, view, apply, and delete
- ☐ Mask Layers and Create Clipping Mask
  - Create and edit a layer mask
  - Create and edit a vector mask
  - Unlink

- Apply and discard
- Select opaque area

Work with Selections

- ☐ Choose selections method appropriate for object and intended use
- ☐ Use geometric selections:Marquee
- ☐ Use freehand selections: Lasso
- ☐ Use color-based selections: Magic Wand, Color Range, Replace color.
- ☐ Use extract filter
- ☐ Move and duplicate selected pixels to current or different Layer
- ☐ Reposition selection while creating it.
- ☐ Feather the selection
- ☐ Erase and add to a selection
- ☐ Rotate and size a selection
- ☐ Use pen tool to create path – convert to selection

Work with Masks

- ☐ Create and edit a quick mask
- ☐ View a mask using the channels palette
- ☐ Save a selection as mask – load a mask as a selection
- ☐ Apply filter effect to a masked selection
- ☐ Create and apply effects using a gradient mask

Retouching and Repairing

- ☐ Repairing flaws and removing unwanted objects
  - Identifying repair and retouching needs
  - Replace pixels using clone tool and selections
  - Make blend repairs and retouching using spot heating, heating brush, and patch tools
  - Use history palette to restore states
- ☐ Retouch Portraits
  - Place retouching on separate layers
  - Patch and soften using separate layers
  - Use history palette snapshots

Producing and Printing Consistent Color

- ☐ Reproducing colors
- ☐ Specifying color – management settings
- ☐ Proofing an image
- ☐ Identifying out-of-gamut colors
- ☐ Adjusting and image and printing a proof
- ☐ Saving the image as a separation
- ☐ Printing

Filters

- ☐ Basic use of filters
- ☐ Aware of Memory consumption by filters
- ☐ Rasterize for filtration
- ☐ Apply filters individually
- ☐ Define undistorted areas

- ☐ Use the liquefy filter

Painting

- ☐ Use paint tools
- ☐ Use history and art history brush tools
- ☐ Work with brushes
- ☐ Set options for painting and editing
- ☐ Erase
- ☐ Use the gradient tool
- ☐ Use the paint bucket tool
- ☐ Fill and stroke selections and layers
- ☐ Use the pattern maker
- ☐ Hand color selections
- ☐ Apply painting effects

Correcting and Enhancing Digital Photographs

- ☐ *Camera Raw (Optional for Photoshop I)
  - Process Camera Raw Files
  - Adjust white balance and exposure
  - Apply Sharpening
  - Synchronize settings across images
  - Save camera raw changes
- ☐ Correcting Digital Photographs
  - Making shadow/highlight adjustments
  - Correcting red eye
  - Reducing noise
  - Sharpen edges
- ☐ Editing Image with a Vanishing-Point Perspective
- ☐ Correcting Image Distortion

Typography

- Create type
- Work with type layers
- Use interactive formatting controls
- Check for spelling errors
- Add point and paragraph type
- Find and replace text
- Create a clipped mask from type
- Add guides for positioning
- Create a design element from type
- Warping point type
- Apply text to a path

Drawing

- Create vector objects using shape tools
- Editing shapes
- Use pen tools
- Work with and manage paths
- Add color to paths

A student earning a "C" grade or better may earn college credit at the following college:

College	Course	Credits
Clover Park Technical College	GTC 132 (CIP Code: 10.0303)	4

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