WASHINGTON TECH PREP

NEWTEC

COMMUNITY COLLEGES OF SPOKANE

PROGRAM ARTICULATION AGREEMENT

College Program: Photography **CIP: 50.0406**
Career Pathway: Visual Arts
Career Cluster: Arts, Audio/Video Technology & Communications

The purpose of this agreement is to grant college credit to high school students who have achieved the level of knowledge and skill required for the college-equivalent entry-level course(s) identified in this agreement. Upon successful completion of the identified course competencies with a grade of 'B' (3.0) or higher and the high school teacher's endorsement that the competency requirements have been met, students will be qualified to receive college credit.

The following Spokane Falls Community College course(s) have been approved for Tech Prep articulation with NEWTECH Skills Center high school course(s) as listed below:

High School / Course Title	College / Course Title	Credits
NEWTECH Skills Center Multimedia Graphics – Photography	SFCC PHOTO 126 Digital Photography	5

see attached list(s) of competencies for articulated courses

Student Articulation Procedure:

1. Be enrolled in the required high school class.
2. Register for Tech Prep/Dual Credit articulated course during the same academic year the high school class is completed. If a series of courses are involved in the articulation, students register for credit during the same academic year the last course in the series is completed.
3. Earn a grade of 'B' (3.0) or better in all courses required under the articulation agreement.
4. Complete all required skills as identified on the competency profile.
5. If an exam or review of completed work is required under the terms of this agreement, students must receive a passing score (determined by college or industry certification) to earn college credit (*see competency list for requirements*).
6. Within seven years of completing the articulated class, enroll at SCC or SFCC and submit the SERS Tech Prep Registration Confirmation to the Transcript Office. Articulation requirements will be reviewed and verified by the appropriate office or department. Credit will be awarded to qualifying students.

High School Instructors:

1. Ensure all students receive a copy of the course syllabus outlining information about Tech Prep, the college course competencies and the process required to earn college credit.
2. Hold students accountable for the same competency standard and course expectations as required by the college-equivalent course (*see competency list attached*).
3. If required for articulation, ensure students are prepared to take industry certification exams, complete a professional portfolio documenting their work, or take a final exam to measure their level of skill and competence in the coursework.
4. Submit final grades for all students registered to earn Tech Prep college credit no later than June of the current academic year.
5. Attend scheduled meetings, workshops or in-service activities that enhance the high school/college partnership & support implementation of the Tech Prep articulated program.

Articulation Review and Renewal:
The designated program facilitators, college administrators and/or instructors and high school faculty will meet regularly to revise or discuss the articulation agreement. Agreements must be reviewed/updated and re-signed by college faculty/deans and CTE directors/HS teachers on a schedule, not to exceed a three (3) year rotation, or as deemed necessary due to changes in HS/college course content or structure. Individual teacher verification forms must be signed and submitted annually. Minor revisions can be made via phone calls, correspondence or e-mail.

PROGRAM ARTICULATION AGREEMENT
Photography

PARTICIPATING INSTITUTIONS
NEWTECH Skills Center and Spokane Falls Community College

We the undersigned representatives of the Northeast Washington Technical Education Consortium (NEWTEC), agree to all provisions of the articulation program/course agreement, have reviewed the course competencies, and understand the process to which students may be granted college credit through the Tech Prep program. We commit staff time and resources to ensure successful program implementation.

Karene Duffy, 2/13/17 Date
NEWTECH Skills Center Director

Ira Gardner, 1/25/17 Date
SFCC Faculty/Department Chair

Terri Haworth, Date
NEWTECH Skills Center Teacher

Bonnie Brunt, JAN 31 2017 Date
SFCC Program Dean

Kevin Brockbank, 2/22/17 Date
Vice Provost for Strategic Partnerships

Original 04-07-14
Renewal 2016-17

COURSE LEARNING OUTCOMES (CLOs)

1. Identify the major developments and trends in digital photography technology.
2. Examine the ethical considerations involved with digital image manipulation.
3. Compare current technology.
4. Operate a digital SLR camera.
5. Practice making photographs for typical shooting scenarios.
6. Demonstrate introductory proficiency in implementing a professional digital workflow.
7. Demonstrate basic image editing proficiency.
8. Employ digital asset management procedures for storage and retrieval of photographs.
9. Choose appropriate output settings for a variety of professional scenarios.
10. Appraise color and density values for optimum image quality.
11. Apply color management production strategies.
12. Experiment with workflow automation.
17. Remove defects in an image using the rubberstamp tool.
18. Place a photo on a page in a layout program.
19. Explain the difference between dye-sublimation, inkjet, laser, Offset, CRT , and LED digital printing processes.
20. Output photographic images on various types of printers such as inkjet, laser, and led printers.
21. Crop an image to a fixed target size and resolution.

I. History of Digital Photography

- A. Historic timeline of photo technology
- B. Applications and benefits of digital photography
- C. Ethical Considerations of image manipulation

II. Overview of Digital Photography Editing System

- A. Input Devices
- B. Editing System Hardware Configurations
- C. Operating System
- D. Display Systems
- E. Calibrated Workflow
- F. Software
  - 1. File Browsers and Asset Management
  - 2. Photo Editing Programs
- G. Output Devices

III. Digital Cameras

- A. Intro to Digital Cameras
  - 1. Sensors
  - 2. Storage

3. Features

4. Exposure Modes

5. Manual Exposure Controls

6. Metering Modes

7. Lenses

8. Focusing

9. Filters

10. Flashes

    a) On Camera

    b) External

IV. Making Photographs

A. Camera Configuration

1. ISO

2. White Balance

3. File Type & Image Size

4. Media Formatting vs. Erasing

5. Exposure Mode

6. Focus Mode

7. Metering Mode

8. Color Profile

B. Typical Shooting Scenarios

1. Portrait

    a) Focal Length Selection

    b) Depth of Field

    c) Lighting Styles

d) Fill Flash

2. Landscape

a) Composition Guidelines

b) Combined Exposures

c) Panoramas

3. Architecture

a) Exterior

b) Interior

c) Color Temperature & White Balance

d) Compositing

e) Correcting for Distortion

C. Downloading Photos

1. Tethered Capture

2. Card Reader

V. Digital Workflow

A. Using a file browser and database

1. Previewing, Rating, and Selection

2. Batch Renaming Files

3. RAW file processing

4. Metadata

5. Copying & Moving Files

B. Cataloging images

1. Working with metadata

a) Camera Settings

b) File Properties

c) Assigning Keywords

d) Search and Retrieval using Meta Data

C. Non Destructive Image Editing

1. Layered Workflow

2. Blend Modes

3. Tone Correction

4. Retouching Techniques

D. Archiving

1. Raid Drives

2. CD/DVD Storage

3. Online Storage

VI. Output and distribution of digital photographs

A. Screen Resolution

B. Print Resolution

C. Resizing Photos

D. Web Galleries

E. Slideshows

F. Email

1. File size limits

2. Attachments

3. Compression

G. Making Prints

1. Inkjet Prints

a) Paper and Ink Choices

b) Quality and Speed Settings

2. Working with online commercial labs

VII. Basic Color Management

A. Assigning vs. Converting to Profile

B. Monitor Calibration and ICC Profiles

C. Printer Specific Output Settings

VIII. Optimizing Workflow

A. Automation

1. Actions & Presets

2. Keyboard Shortcuts