

Strands & Standards

VIDEO PRODUCTION 2



COURSE DESCRIPTION

This course is designed to provide students with the basic knowledge and skills related to the video production industry. This includes instruction and hands-on assignments in the following areas: camera operation, audio systems, lighting systems, pre-production, studio operations, control room operations, visual effects and graphics, and copyright laws.

License Type

CTE and/or
Secondary Education 6-12

Required Endorsement

TV Broadcasting

Intended Grade Level: 11-12

Units of Credit: 0.5

Core Code: 40.01.00.00.035

CE Core Code: 40.01.00.13.035

Prerequisite: Video Production 1

Skill Certification: 593

Test Weight: 0.5

Strands & Standards

STRAND 1 Students will be able to understand and demonstrate the correct operation of the camera.

- Standard 1** Basic parts of a camera
- Image Sensor (CCD/CMOS)
 - Lens
 - Body
 - Viewfinder

- Standard 2** Camera movements
- Pan
 - Truck
 - Dolly
 - Arc
 - Pedestal
 - Tilt

- Standard 3** Picture composition (Framing)
- Rule of thirds
 - Nose room
 - Lead room
 - Head room
 - Crossing the line
 - Aspect ratio selection
 - Two shot
 - Three shot

- Standard 4** Shot selections
- Wide or long (LS)
 - Medium (MS)
 - Close up (CU)
 - Extreme close up (ECU)
 - Over-the-shoulder (O/S)
 - Cross shot (XS)

- Standard 5** Camera operation
- Focus
 - White balance
 - Zoom

- Standard 6** Camera Support
- Tripod
 - Monopod

STRAND 2 Students will be able to understand and demonstrate procedures for recording audio.

- Standard 1** Microphone
- Pickup patterns
 - Omnidirectional
 - Unidirectional
 - Bidirectional
 - Cardioid
 - Hypercardioid
 - Transducers
 - Dynamic

- Condenser (additional power source)
- Ribbon
- Microphone types
 - Lavalier
 - Handheld (stick)
 - Shotgun/Boom

- Standard 2** Ambience
- Definition of ambience
 - Natural sound (NATS)

STRAND 3 Students will be able to understand and demonstrate knowledge of lighting systems and how they are used.

- Standard 1** Principles of Lighting
- Triangle or three-point lighting
 - Key (Spot)
 - Back or Halo (Spot)
 - Fill (Flood)

- Standard 2** Lighting instruments and accessories
- Spot (direct)
 - Flood (diffused)
 - Barn doors
 - Reflector

- Standard 3** Lighting situations
- Base lighting
 - Chroma key
 - Silhouette
 - Falloff

STRAND 4 Students will be able to understand and demonstrate pre-production.

- Standard 1** Storytelling
- Audience
 - The three P's – People, Place, Predicament
 - Scriptwriting

- Standard 2** Storyboard

- Standard 3** Shot list

- Standard 4** Props and costumes

STRAND 5 Students will be able to understand and demonstrate production.

- Standard 1** Logging

- Standard 2** Editing
- Time code
 - Titles
 - Transitions
 - Countdowns
 - Sound tracks
 - Timeline
 - Jump cut

- Cut-to-the-beat

- Standard 3** Industry standards
- NTSC
 - PAL
 - High definition vs standard definition
 - Interlaced & Progressive
 - Aspect ratio
 - Frames per second (fps)

STRAND 6 Students will be able to understand and demonstrate the use of visual effects and graphics.

- Standard 1** Visual effects
- Chroma key
 - Animation

- Standard 2** Graphics
- Text
 - Fonts
 - Drop Shadows on text
 - Title Colors (High Contrast)
 - Title safe area
 - Lower Third

STRAND 7 Students will be able to understand and demonstrate knowledge of visual effects and graphics.

- Standard 1** Visual effects
- Chroma key
 - Picture in Picture (PIP)
 - Virtual Studio
 - Transitions

- Standard 2** Graphics
- Text
 - Fonts
 - Colors
 - Title safe area
 - Computer-generated design
 - Still images
 - Lower third

STRAND 8 Students will be able to understand and demonstrate knowledge of the function of various cables and connectors.

- Standard 1** Short-run video connections (F, RCA, HDMI)
- Standard 2** Long-run video connections (BNC)
- Standard 3** Connectors that can also be used for audio (RCA, USB, HDMI, BNC)
- Standard 4** Professional audio connectors (XLR)
- Standard 5** Other audio Connectors (1/4" plugs [stereo & mono], 1/8" mini plugs [stereo & mono])

STRAND 9 Students will be able to understand and practice copyright laws, ethics and legal issues as identified in United States Code Title 17 Chapter 1 Section 101.

Standard 1 Define copyright

Standard 2 Other definitions

- Audiovisual works
- Computer program
- Copies
- Copyright owner
- Digital transmission
- Financial gain
- Pictorial, graphic, and sculptural works
- Work of visual art

Standard 3 Practice ethics and rules governing photojournalism (i.e. Editorial content must not be changed).

Standard 4 Practice correct usage of copyright laws (i.e. the right to reproduce, manipulate, distribute, plagiarize or exhibit another's work outside of fair use provisions).

- Time limitations
- Portion limitations
- Text material
- Illustrations and photographs
- Copying and distribution limitations

Standard 5 Demonstrate understanding of ethics related to social and legal issues in subject choice (i.e. model releases, image appropriateness, and cultural sensitivity).

STRAND 10 Students will gain an understanding of Video Production as a profession and will develop professional skills for the workplace.

Standard 1 As a participating member of the SkillsUSA student organization, complete the SkillsUSA Level 1 Professional Development Program.

- Complete a self-assessment inventory and identify individual learning styles.
- Discover self-motivation techniques and establish short-term goals.
- Determine individual time-management skills.
- Define future occupations.
- Define awareness of cultural diversity and equity issues.
- Recognize the benefits of conducting a community service project.
- Demonstrate effective communication skills with others.
- Participate in a shadowing activity.
- Identify components of an employment portfolio.
- Demonstrate proficiency in program competencies.
- Explore what is ethical in the workplace or school.
- Master a working knowledge of SkillsUSA.
 - State the SkillsUSA motto.
 - State the SkillsUSA creed.
 - Learn the SkillsUSA colors.
 - Describe the official SkillsUSA dress.
 - Describe the procedure for becoming a SkillsUSA officer.

Standard 2 Display a professional attitude toward the instructor and peers.

* SkillsUSA PDP requirements - recommended

Skill Certificate Test Points by Strand

Test Name	Test #	Number of Test Points by Strand									Total Points	Total Questions
		1	2	3	4	5	6	7	8	9		
Video Production 1	592	12	7	12	5	1	12	1	6	1	57	48

Performance Objectives