

Video Production 1

Exam Information	Description
Exam number 592 Items 32 National Career Cluster Arts, Entertainment, & Design Certification available Yes	The Video Production 1 industry certification exam is designed to introduce candidates to the essential skills and knowledge required for the video production industry. Candidates will learn how to operate cameras, audio equipment, lighting equipment, and editing software. Candidates will also practice planning, producing, and post-producing video projects in various genres and formats. Additionally, candidates will explore studio and control room operations, visual effects and graphics, and copyright laws.

Exam Blueprint and Performance Skills

Standard	Percentage of exam score
1. Pre-Production*	6%
2. Camera Operation*	40%
3. Recording and Editing Audio*	14%
4. Basic lighting principles*	14%
5. Post-Production*	23%
6. Copyright Laws, Ethics, and Legal Issues*	3%
7. Professional Skills (Optional)	0%

*Includes performance skill evaluation

Standard 1 - Pre-Production (6% of exam score)

Candidates will be able to understand and demonstrate the process of pre-production.

Objective 1 Demonstrate understanding of basic storytelling principles, including:

1. Beginning
2. Middle
3. End

Objective 2 Create a storyboard

Objective 3 Organize and plan production, including:

1. Common chemicals found in a woodshop (glue, finish, etc.).
2. Candidates will be aware of the dangers of sawdust.
3. Candidates will know what a Safety Data Sheet (SDS) is and where to find it.

Performance Skill

1. Understand and demonstrate the process of pre-production.
2. Demonstrate understanding of basic storytelling principles.
3. Create a storyboard.
4. Organize and plan a production.

Optional: Standard performance evaluations on the final page of this document

Standard 2 - Camera Operation (40%)

Candidates will be able to understand and demonstrate the correct operation of the camera.

Objective 1 Identify the basic functions of the main parts of a camera, including:

1. Sensors
2. Lens
3. Body
4. Electronic Viewfinder or LCD (Liquid Crystal Display) screen

Objective 2 Demonstrate understanding of basic camera operations, including:

1. Focus
2. White balance, both indoors and outdoors
3. Basic exposure involving the iris/aperture and shutter speed
4. Recording settings

- a. Current camera resolutions (1080 HD, 4K, etc.)
- b. Frame rates and their uses. (24, 30, 60, 120, etc.)

Objective 3 Demonstrate proper use of camera supports, including:

1. Tripod
2. Monopod

Objective 4 Identify and demonstrate effective shot composition (Framing)

1. Rule of thirds

Objective 5 Identify and demonstrate effective use of various shot selections, including:

1. Wide (WS)
2. Medium (MS)
3. Close up (CU)
4. Extreme close up (ECU)

Objective 6 Identify and demonstrate effective use of various shot selections, including:

1. Pan/Tilt
2. Dolly
3. Zoom

Objective 7 Identify and demonstrate effective use of various camera angles, including:

1. High Angle
2. Eye Angle
3. Low Angle

Performance Skill

1. Understand and demonstrate the correct operation of the camera.
2. Identify the basic functions of the main parts of a camera.
3. Demonstrate understanding of basic camera operations.
4. Demonstrate understanding of basic camera supports.
5. Identify and demonstrate effective shot composition (framing).
6. Identify and demonstrate effective use of various shot selections.
7. Identify and demonstrate effective use of various camera movements.
8. Identify and demonstrate effective use of various camera angles.

Optional: Standard performance evaluations on the final page of this document

Standard 3 - Recording and Editing Audio (14%)

Candidates will be able to understand and demonstrate procedures for recording and editing audio.

Objective 1 Identify various types of microphones and demonstrate appropriate use of each:

1. Microphone types
 - a. Lavalier
 - b. Handheld mic
 - c. Shotgun/Boom mic
2. Audio Connector
 - a. 1/8" Stereo
 - b. 1/8" Mono

Objective 2 Demonstrate effective audio recordings

1. Understand and demonstrate effective control of ambient sound.
2. Understand and demonstrate appropriate levels while recording.
3. Clipping

Objective 3 Demonstrate effective audio editing.

1. Identify and set appropriate audio levels for different audio types:
 - a. Dialogue
 - b. Sounds effects
 - c. Music

Performance Skill

1. Understand and demonstrate procedures for recording and editing audio.
2. Identify various types of microphones and demonstrate appropriate use of each.
3. Demonstrate effective recording of audio.
4. Demonstrate effective editing of audio recordings.

Optional: Standard performance evaluations on the final page of this document

Standard 4 - Basic Lighting Principles (14%)

Candidates will be able to understand and demonstrate knowledge of basic lighting principles.

Objective 1 Demonstrate understanding of three-point lighting and its components:

1. Key Light
2. Fill Light
3. Back Light

Objective 2 Setup and use lighting appropriately for various situations, including:

1. Natural vs. Artificial Light

Performance Skill

1. Understand and demonstrate knowledge of basic lighting principles.
2. Demonstrate understanding of three-point lighting and its components.
3. Setup and use lighting appropriately for various situations.

Optional: Standard performance evaluations on the final page of this document

Standard 5 - Post-Production (23%)

Candidates will be able to understand and demonstrate knowledge of post-production.

Objective 1 Demonstrate appropriate file management.

1. Transferring
2. Organizing
3. Naming

Objective 2 Demonstrate effective editing workflows.

1. Preview media
2. Rough Edit
3. Final Cut
4. Export

Objective 3 Demonstrate the use of filters and effects.

1. Graphics/Titles
2. Keyframe animation
3. Chroma key

Objective 4 Understand and demonstrate effective output of the media.

1. Understand and use appropriate settings for desired output:
2. File Name & Location
3. Aspect Ratio (Horizontal or Vertical)
4. Resolutions (1080, 4K, etc.)
5. File Type (MP4, MOV, etc.)
6. File Size (H.264, ProRes, etc.)

Performance Skill

1. Understand and demonstrate knowledge of post-production.
2. Demonstrate appropriate file management
3. Demonstrate effective editing workflows.
4. Understand and demonstrate effective output of the media.

Optional: Standard performance evaluations on the final page of this document

Standard 6 - Copyright Laws, Ethics, and Legal Issues (3%)

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

Objective 1 Define and demonstrate copyright, licensing, and creative commons.

Standard 7 - Professional Skills (Optional) (0%)

Candidates will learn how to cut advanced joinery and install hardware.

Objective 1 Explore career options related to course content.

Objective 2 Explore and participate in cocurricular activities related to course content.

1. Career Technical Student Organizations (CTSO's)
 - a. SkillsUSA
 - b. Technology Student Association
2. Other State and National Organizations
3. Related technical competitions

Workplace Skills

Workplace skills should be practiced and improved daily in the classroom to help candidates become efficient and reliable employees.

1. Communication
2. Problem Solving
3. Teamwork
4. Critical Thinking
5. Dependability
6. Accountability
7. Legal requirements/expectations

Performance Skills Evaluation

Exam name: Video Production 1

Candidate Name: _____

Performance assessments may be completed and evaluated any time before the certification is issued. The following performance skills can be used in connection with the associated standards and exam. The evaluator will function as the subject matter expert to determine if the candidate meets the skills requirements with a Yes/No for passing.

Standard 1 – Pre-production Understand and demonstrate pre-production (field/studio)	Pass:
Standard 2 – Camera Operation Understand and demonstrate camera operation	Pass:
Standard 3 – Recording and Editing Audio - Understand and demonstrate audio systems and how they are used - Understand and demonstrate knowledge of the function of various cables and connectors	Pass:
Standard 4 – Basic Lighting Principles Understand and demonstrate lighting systems and how they are used	Pass:
Standard 5 – Post-Production - Understand and demonstrate post-production - Understand and demonstrate visual effects and graphics	Pass:
Standard 6 – Copyright Laws, Ethics, and Legal Issues Understand and practice copyright laws, ethics, and legal issues dealing with photography as identified in the United States Code Title 17 Chapter 1 Section 101	Pass:
Standard 7 – Professional Skills Understanding of Video Production as a profession and will develop professional skills for the workplace	Pass:

Evaluator Name: _____

Date: _____