

Television Broadcasting 2

Exam Information	Description
Exam number 591 Items 30 National Career Cluster Arts, Entertainment, & Design Certification available Yes	The Television Broadcasting 2 industry certification exam assesses advanced knowledge and skills related to the television broadcasting industry. Learners demonstrate their competency in camera operation, audio systems, lighting systems, pre-production, studio operations, control room operations, visual effects and graphics, and copyright laws through hands-on assignments and practical applications.

Exam Blueprint and Performance Skills

Standard	Percentage of exam score
1. Journalism	12%
2. Camera Operation*	18%
3. Audio Systems*	24%
4. Lighting Systems*	18%
5. Post-Production*	9%
6. Live Broadcast	9%
7. Copyright Laws, Ethics, and Legal Issues	9%
8. Career Readiness	0%

*Includes performance skill evaluation

Standard 1 - Journalism (12% of exam score)

Candidates will be able to demonstrate knowledge of gathering information for use in broadcast productions.

Objective 1 Demonstrate effective news gathering techniques, including:

1. Who, What, When, Where, and Why
2. Fact Checking
3. Attribution
4. Newsworthiness

Objective 2 Demonstrate understanding of effective writing for broadcast, including

1. Voice (Active, Passive)
2. Tone

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

Standard 2 - Camera Operations (18%)

Candidates will demonstrate knowledge of the correct operation of the camera.

Objective 1 Demonstrate understanding of camera operations, including:

1. Focus
2. Using ND (Neutral Density) filters
3. Exposure
 - a. Shutter speed (motion blur)
 - b. Aperture (depth of field)
 - c. ISO (Isolated) / Gain (noise/grain)
4. White balance
5. Kelvin color temperature

Objective 2 Demonstrate use of advanced camera operations, including:

1. Stabilizers
2. Sliders
3. Drones
4. Handheld
5. Crane / jib

Objective 3 Identify and demonstrate effective picture composition (framing), including:

1. 180-degree rule
2. Interview framing
 - a. Street interview
 - b. Sit-down interview

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

Standard 3 - Audio Systems (244%)

Candidates will be able to understand and demonstrate proper use of audio equipment.

Objective 1 Identify microphone pickup patterns and the effective use of each in various situations:

1. Microphone types
 - a. Lavalier (omnidirectional)
 - b. Handheld mic (cardioid)
 - c. Shotgun / Boom mic (hypercardioid)
2. Recording Locations
 - a. Remote recording
 - b. Studio recording
3. Monitoring Levels
 - a. Clipping

Objective 2 Demonstrate effective editing of audio recordings

1. Narration
2. Voice over
3. Ambient sound

Objective 3 Demonstrate effective techniques for recording an interview, including:

1. Introductions (Names and title)
2. Effective Questions
 - a. Open ended
 - b. Restate the question in answer
 - c. Listen

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

Standard 4 - Lighting Systems (18%)

Candidates will be able to demonstrate proper use of lighting principles & equipment.

Objective 1 Identify and demonstrate effective use of lighting equipment and accessories.

1. Shaping Light (Barn doors)
2. Diffusers (softbox, umbrella, etc.)

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

1. Studio
2. Interview
3. Field

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

Standard 5 - Post-Production (9%)

Candidates will demonstrate proper post-production techniques.

Objective 1 Demonstrate effective use of editing techniques, including:

1. L and J cuts
2. B-roll
3. Voice Over
4. Nat sound

Objective 2 Create various graphics for use in broadcasts, including:

1. Lower Thirds
2. Bumpers
3. Stingers
4. Logos/Bugs

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

Standard 6 - Live Broadcast (9%)

Candidates will produce multiple live broadcasts.

Objective 1 Create a broadcast team.

1. Producer, Technical Director, Talent, etc.

Objective 2 Plan a broadcast.

1. Rundown, scripts, gather stories, etc.

Objective 3 Produce a broadcast that includes, but is not limited to:

1. Multiple cameras and/or switching between video content
2. Pre-made Segments, News Packages, Documentaries, and/or Commercials/PSAs
3. Graphics (Lower Thirds, Chroma Key, Picture in Picture, etc.)
4. Audio Mixing

5. Reporter Toss
6. Teleprompters

Objective 4 Broadcast to an audience.

1. Show broadcasts to an active audience via any of the following:
 - a. Closed Network
 - b. Streaming Platform
 - c. Social Media

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

Standard 7 - Copyright laws, Ethics, and Legal Issues (9%)

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 8 - Career Readiness (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

Performance Skills

Every student should be able to list every step and be proficient in creating a professional and reliable TV Broadcast from beginning to end. Specific performance skills are listed within each Strand.

Workplace Skills

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

Performance Skills Evaluation

Exam name: Television Broadcasting 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 – Journalism • Demonstrate effective news-gathering techniques. • Demonstrate effective interview techniques.	Pass:
Standard 2 – Pre-Production • Understand and demonstrate knowledge of pre-production	Pass:
Standard 3 – Camera Operation • Demonstrate use of advanced camera operations (see Standard 3, Objective 2). • Identify and demonstrate effective picture composition (see Standard 3, Objective 3).	Pass:
Standard 4 – Audio Systems • Understand and demonstrate effective use of different microphone types in various situations. • Understand and demonstrate effective editing of audio recordings.	Pass:
Standard 5 – Lighting Systems • Understand and demonstrate effective use of lighting instruments and accessories for various situations.	Pass:
Standard 6 – Post-Production • Demonstrate proper pre-production tasks. • Demonstrate post-production techniques.	Pass:
Standard 7 – Live Broadcast • Actively participate in each stage of broadcasting (create, plan, produce, broadcast).	Pass:
Standard 8 – Career Readiness • Practice workplace skills daily in the classroom to help become efficient and reliable employees.	Pass:

Evaluator Name:

Date:
