

Television Broadcasting 2

Exam Information	Description																				
Exam number 591	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.																				
Items 35																					
Points 74	Exam Blueprint																				
Prerequisites Television Broadcasting 1	<table><tr><th>Standard</th><th>Percentage of exam</th></tr><tr><td>1. Journalism</td><td>29%</td></tr><tr><td>2. Pre-Production</td><td>5%</td></tr><tr><td>3. Camera Operations</td><td>16%</td></tr><tr><td>4. Audio Systems</td><td>13%</td></tr><tr><td>5. Lighting Systems</td><td>13%</td></tr><tr><td>6. Post-Production</td><td>8%</td></tr><tr><td>7. Live Broadcast</td><td>8%</td></tr><tr><td>8. Copyright Laws, Ethics, and Legal Issues</td><td>8%</td></tr><tr><td>9. Professional Skills for the Workplace</td><td>0%</td></tr></table>	Standard	Percentage of exam	1. Journalism	29%	2. Pre-Production	5%	3. Camera Operations	16%	4. Audio Systems	13%	5. Lighting Systems	13%	6. Post-Production	8%	7. Live Broadcast	8%	8. Copyright Laws, Ethics, and Legal Issues	8%	9. Professional Skills for the Workplace	0%
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8. Copyright Laws, Ethics, and Legal Issues	8%																				
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Recommended course length One semester																					
National Career Cluster Arts, A/V Technology & Communications Science, Technology, Engineering & Mathematics																					
Performance standards Included (Optional)																					
Certificate available Yes																					

Standard 1

Students 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

Standard 1 Performance Evaluation included below (Optional)

Standard 2

Students 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

Standard 2 Performance Evaluation included below (Optional)

Standard 3

Students 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

Standard 3 Performance Evaluation included below (Optional)

Standard 4

Students 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 Set up and use lighting appropriately for various situations.

1. Studio
2. Interview
3. Field

Standard 4 Performance Evaluation included below (Optional)

Standard 5

Students 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

Standard 5 Performance Evaluation included below (Optional)

Standard 6

Students 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

Standard 6 Performance Evaluation included below (Optional)

Standard 7

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.

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

Standard 8

Students will understand and demonstrate the importance of career readiness and professionalism skills related to the workplace.

Objective 1 Explore career options related to course content.

Objective 2 Explore and participate in co-curricular activities related to course content.

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

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

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

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

Television Broadcasting 2

Performance assessments may be completed and evaluated at any time during the course. The following performance skills are to be used in connection with the associated standards and exam. To pass the performance standard the student must attain a performance standard average of 8 or higher on the rating scale. Students may be encouraged to repeat the objectives until they average 8 or higher.

Student's Name: _____

Class: _____

Performance standards rating scale



Standard 1 – Journalism

Score:

- Demonstrate effective news-gathering techniques.
- Demonstrate effective interview techniques.

Standard 1 & 6 – Pre- and Post-Production

Score:

- Demonstrate proper pre-production tasks.
- Demonstrate post-production techniques.

Standard 3 – Camera Operation

Score:

- Demonstrate use of advanced camera operations (see Standard 3, Objective 2).
- Identify and demonstrate effective picture composition (see Standard 3, Objective 3).

Standard 4 – Audio Systems

Score:

- Understand and demonstrate effective use of different microphone types in various situations.
- Understand and demonstrate effective editing of audio recordings.

Standard 5 – Lighting Systems

Score:

- Understand and demonstrate effective use of lighting instruments and accessories for various situations.

Standard 7 – Live Broadcast

Score:

- Actively participate in each stage of broadcasting (create, plan, produce, broadcast).

Standard 9 – Professional Skills for the Workplace

Score:

- Practice workplace skills daily in the classroom to help become efficient and reliable employees.
- Communication
- Problem-Solving
- Teamwork
- Critical Thinking
- Dependability
- Accountability
- Legal Requirements/expectations

Performance standard average score:

Evaluator Name: _____

Evaluator Title: _____

Evaluator Signature: _____

Date: _____