

STRANDS AND STANDARDS

TV BROADCASTING 1



Course Description

TV Broadcasting is an introductory course that immerses students in the dynamic world of television production and broadcast media. Students will gain foundational knowledge and hands-on experience in all phases of broadcast production, including camera operation, audio engineering, lighting design, and video editing. The course also covers essential pre-production planning, studio and control room operations, and the integration of visual effects and motion graphics. Emphasis is placed on teamwork, technical proficiency, and creative storytelling as students produce content in a variety of formats such as news segments, interviews, and live broadcasts. Additionally, students will explore media ethics, copyright laws, and the evolving role of television in modern communication. This course prepares students for further study in media production and careers in the broadcasting industry.

Intended Grade Level	10-12
Units of Credit	0.5
Core Code	40.01.00.00.005
Concurrent Enrollment Core Code	40.01.00.13.005
Prerequisite	None
Skill Certification Test Number	590
Skill Certification Cut Score	75%
Test Weight	0.5
License Area of Concentration	CTE and/or Secondary Education 6-12
Required Endorsement(s)	
Endorsement 1	Audio Video Production

STRAND 1

Students will be able to demonstrate the purpose of storytelling and news gathering.

Standard 1

When planning a broadcast, identify the following and how they affect the planning process:

- Purpose
- Audience

Standard 2

Explore Journalism ethics.

- Free exchange of information
- Responsibility for accuracy
- Honest and fair
- Serving the public
- Accountable and transparent

Standard 3

Understand and demonstrate how to determine what is a newsworthy story:

- Impact
- Proximity
- Timeliness
- Prominence
- Conflict

Standard 4

Understand how to tell a story using the following types of content:

- On Air Anchors
- Pre Recorded Segments / Package
- Live Interviews

STRAND 2

Students will be able to understand and demonstrate knowledge of pre-production meetings.

Standard 1

Create and use a rundown to plan broadcasts.

- Show Structure
- Segments
- Script

STRAND 3

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

Standard 1

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

- Sensor
- Lens
- Body
- Electronic Viewfinder or LCD (Liquid Crystal Display) Screen

Standard 2

Demonstrate understanding of basic camera operations, including:

- Focus
- White balance, both indoors and outdoors
- Basic exposure involving the iris/aperture and shutter speed
- Recording settings
 - Current camera resolutions (1080 HD, 4K, etc.)

Standard 3

Demonstrate understanding of basic camera supports, including:

- Tripod
- Monopod

Standard 4

Identify and demonstrate effective shot composition (framing).

- Rule of thirds

Standard 5

Identify and demonstrate effective use of various shot (size) selections, including:

- Wide (WS)
- Medium (MS)
- Close-up (CU)
- Extreme close-up (ECU)

Standard 6

Identify and demonstrate effective use of various camera movements, including:

- Pan
- Tilt
- Zoom

Standard 7

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

- High angle
- Eye level
- Low angle

Performance Skill

Understand and demonstrate the correct operation of the camera.

- Identify the basic functions of the main parts of a camera.
- Demonstrate understanding of basic camera operations.
- Demonstrate understanding of basic camera supports.
- Identify and demonstrate effective shot composition (framing).
- Identify and demonstrate effective use of various shot selections.
- Identify and demonstrate effective use of various camera movements.
- Identify and demonstrate effective use of various camera angles.

STRAND 4

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

Standard 1

Identify various types of microphones and demonstrate appropriate use of each.

- Microphone types
 - Lavalier
 - Handheld mic
 - Shotgun/Boom mic
- Audio Connector
 - 1/8" Stereo and 1/8" Mono

Standard 2

Demonstrate effective audio recording.

- Understand and demonstrate effective control of natural sound.
- Understand and demonstrate appropriate levels while recording
 - Clipping
 - Monitor in headphones

Standard 3

Demonstrate effective audio editing.

- Identify and set appropriate audio levels for different audio types:
 - Dialogue
 - Sound Effect
 - Music

Performance Skill

Understand and demonstrate procedures for recording and editing audio.

- Identify various types of microphones and demonstrate appropriate use of each.
- Demonstrate effective recording of audio.
- Demonstrate effective editing of audio recordings.

STRAND 5

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

Standard 1

Demonstrate understanding of three-point lighting and its components:

- Key light
- Fill light
- Back light

Standard 2

Setup and use lighting appropriately for various situations, including:

- Natural vs. artificial light

Performance Skill

Understand and demonstrate knowledge of basic lighting principles.

- Demonstrate understanding of three-point lighting and its components.
- Setup and use lighting appropriately for various situations

STRAND 6

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

Standard 1

Demonstrate appropriate file management.

- Transferring
- Organizing
- Naming

Standard 2

Demonstrate effective editing workflows.

- Preview media
- Rough Edit
- Final Cut
- Export

Standard 3

Demonstrate the use of graphics and effects in a broadcast.

- Graphics/Title Design
- Keyframe animation
- Chroma key
- Lower thirds
- Title safe area
- Still images

Standard 4

Understand and demonstrate effective output of media.

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

Performance Skill

Understand and demonstrate knowledge of post-production.

- Demonstrate appropriate file management
- Demonstrate effective editing workflows.
- Demonstrate use of graphics.
- Understand and demonstrate effective output of media.

STRAND 7

Students will be able to understand and demonstrate knowledge of broadcast production equipment and components.

Standard 1

Demonstrate basic use of a live production switcher and identify its components.

- Preview Row
- Program Row
- Fader Bar

Standard 2

Demonstrate basic use of an audio mixer (soundboard).

- Inputs/Outputs
- Faders
- Master Fader

Standard 3

Demonstrate proper use of a teleprompter.

Standard 4

Identify various cord / cable connectors

- SDI (Serial Digital Interface)
- HDMI (High-Definition Multimedia Interface)
- 1/8" Stereo / Mono
- XLR (External Line Return)

STRAND 8

Students will be able to understand and demonstrate knowledge of the control room and studio crew.

Standard 1

Understand various control room crew responsibilities.

- Producer
- Director
- Technical Director
- Audio Technician
- Video playback/Graphics
- Teleprompter Operator

Standard 2

Understand various studio crew responsibilities.

- Floor Director
- Camera Operator
- Talent

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 and demonstrate copyright, licensing, and creative commons.

STRAND 10

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

Standard 1

Explore career options related to course content.

Standard 2

Explore and participate in cocurricular activities related to course content.

- Career Technical Student Organizations (CTSO's)
 - SkillsUSA
 - Technology Student Association
- Other State and National Organizations

Workplace Skills

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

- Communication
- Problem Solving
- Teamwork
- Critical Thinking
- Dependability
- Accountability
- Legal requirements/expectations

Skill Certification Test Points & Questions by Strand

Test Name	Test #	Number of Test Points by Strand										Total Points	Total Questions		
		1	2	3	4	5	6	7	8	9	10				
TV Broadcasting 1	590	5	2	6	4	5	7	6	6	1	0				
		Number of Questions by Strand													
		1	2	3	4	5	6	7	8	9	10				
		3	2	6	4	3	7	4	5	1	0	42	35		