

STRANDS AND STANDARDS

RADIO PRODUCTION 1



Course Description

This course is designed to provide students with the basic knowledge and skills related to Radio Broadcasting. Students will create audio programming intended to be distributed through traditional radio, online radio, or distributed through podcasting.

The course will cover topics such as radio formats, genres, audiences, regulations, ethics, and production techniques. Students will learn how to write, record, edit, and produce audio content for different radio platforms and purposes, using industry-standard software and equipment. The course will expose students to various examples of radio programming from different countries and cultures and encourage them to explore their own voice and style.

Intended Grade Level	10-12
Units of Credit	0.5
Core Code	40.01.00.00.048
Concurrent Enrollment Core Code	40.01.00.13.048
Prerequisite	N/A
Skill Certification Test Number	813
Skill Certification Cut Score	PILOT
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 explore radio related job titles and different types of audio production.

Standard 1

Job titles, responsibilities, and employment opportunities.

- Station Manager - Responsible for daily operations of the radio station
- Program Director - Responsible for selection of all the station's content.
- Music Director - Conduct, direct, plan, and lead instrumental or vocal performances by musical artists or groups
- On-Air Personalities - Reporter, host, or person presenting content over the radio.
- Promotions Director - Works with programming and sales to increase listeners
- Intern
- Music Producer - Manages the studio recording process
- Mixing Engineer - Responsible for combining all of the different audio recordings into a final version
- Foley Artist – Creates and records the specific artistic sounds heard in film, radio, television, and video games.

STRAND 2

Students will explore the basics of sound, signal path and basic sound mixing.

Standard 1

The basics of sound and acoustics.

- Frequency
- Amplitude

Standard 2

Signal Path - Students will demonstrate proper equipment setup for recording audio.

- Inputs/Outputs
- Preamps
- Mixing Boards
- DAW (Digital Audio Workstation)
- Sample Rate
 - Standard 48kHz
- Bit Depth
 - Standard 24 bit

Standard 3

Identify elements of audio in recording or when using a DAW

- Decibel
- VU Meter
- Panning
- Clipping
- Threshold
- Reverb

STRAND 3

Students will demonstrate proper setup and use of recording equipment and produce a variety of radio content.

Standard 1

Identify various types of audio cables and connectors.

- ¼"
- ⅛"
- MIDI/USB
- XLR
- Balanced
- Unbalanced

Standard 2

Identify and create different types of audio production.

- Create an AM/FM radio program
 - Understand differences in AM/FM frequency range
- Live sports broadcast
- Broadcast and record a live music performance
- Recording a studio album or EP
- Podcast
- Commercial and promotional content
- Soundtrack and foley for a film or TV Show
- Recorded Spot | PSA | Commercial | Promotion

STRAND 4

Students will create content for their radio station or products.

Standard 1

Students will identify and create different types of material for their radio show, station, or radio event.

- Station ID (A recorded or spoken call letter aired at the top of every hour.)
- Sweepers
 - Drop
 - Bumpers
- Posters
- T-Shirts
- Commercials
- PSA (Public Service Announcement)
- Social Media Posts
- Logos

STRAND 5

Students should collaborate and produce different types of audio.

Standard 1

Publication Selection – Students will identify the proper distribution outlet that is best suited for their content.

- Terrestrial AM/FM
- Internet Radio
- Podcast Distributor
- Spotify
- Apple Music
- YouTube
- SoundCloud
- Social Media

Standard 2

Based on classroom resources, students should explore different types of audio and radio productions.

- Recording studio album or EP
- Live music concert
- Create music loops
- Episodic podcast
- Series of related video blogs
- TV/Film soundtrack production

Standard 3

Prepare yourself to enter the professional field of radio by learning more about it.

- Watch a documentary on someone who succeeded in this industry. Share with your class what you learned.
- Interview someone who works in the field you would like to work in. Share with your class what you learned.
- Job shadow a person who works in the field you would like to work. Share with your class what you learned.

STRAND 6

Students will be able to understand and adhere to basic copyright laws applicable to all media.

Standard 1

Define the laws around media recording and production.

- Define copyright
- Define Fair Use
- Define Public Domain

STRAND 7

Students will understand the importance of career readiness skills as it relates to participating in either TSA, SkillsUSA, Utah Broadcast Awards, or any other approved CTSO or leadership event.

Standard 1

Understand the basics of a job related to radio production or broadcasting.

- Participate in a CTSO competitive event or leadership event related to radio.
- Watch a documentary on someone who succeeded in this industry and develop a three- to-five-minute presentation.
- Interview someone who works in this field. Develop a three-to-five-minute presentation.
- Job shadow a person who works in this field. Develop a written report about your experience.

Performance Skills:

Students can record, edit, and export high quality audio for use in promotional content, podcasts, or radio shows.

Workplace Skills:

The following workplace skills should be discussed and modeled throughout the strands and standards of the course:

- Communication
- Teamwork
- Critical and Creative Thinking
- Problem Solving
- Dependability
- Legal Requirements and Expectations

Skill Certification 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	10		
Radio Production 1	813	2	12	6	4	1	3					28	25