

Audio Production
Exit Competencies

Upon completion of the Audio Production program, a student should be able to:

- ◆ Define common audio terminology.
- ◆ Demonstrate proper microphone setup and cable wrapping techniques.
- ◆ Demonstrate common patching techniques.
- ◆ Identify and demonstrate common audio editing techniques.
- ◆ Describe common synchronization techniques.
- ◆ List and define the components of sound.
- ◆ Demonstrate multi-track audio alignment procedures.
- ◆ List and demonstrate multitrack session procedures.
- ◆ Demonstrate proper use of effects processors in a mixdown.
- ◆ Diagram the signal flow of audio in the recording and mixdown processes.
- ◆ Demonstrate basic multitrack tape machine operations.
- ◆ Operate control room and audio consoles.
- ◆ Describe and demonstrate voice-over production techniques.
- ◆ Demonstrate digital and analog two-track tape recorder operations.
- ◆ Clean and degauss a tape machine.
- ◆ Assess and display appropriate behavior and attire for industry related professions.
- ◆ Describe basic principles and units of measurement of electricity.
- ◆ Define and use common electronic symbols and terminology.
- ◆ Demonstrate high reliability soldering skills and techniques.
- ◆ Troubleshoot and diagnose common electrical problems using schematics and block diagrams.
- ◆ Identify and describe types of microphones and demonstrate their uses.
- ◆ Critically evaluate microphone placement and selection.
- ◆ Demonstrate use of dynamic, spectral and time processors.
- ◆ Perform troubleshooting procedures.
- ◆ Demonstrate proper cue mix procedures.
- ◆ Complete with guidance, a multitrack recording project.
- ◆ Process digital audio files as requested, using digital signal processing.
- ◆ Edit audio files using a digital audio system.
- ◆ Record and mix multitrack audio using a digital system.
- ◆ Demonstrate digitization and file conversion techniques for digital storage media and the Internet.
- ◆ List the steps and options available during the mastering process.
- ◆ Describe the audio for video sweetening process.
- ◆ Define and identify major and minor scales, basic intervals and chords.
- ◆ Define and identify tempo, time signatures and related terms.
- ◆ Define musical terms commonly associated with popular music.
- ◆ Describe the product development cycle and design a timeline for a record release.
- ◆ Analyze and use trade publications.
- ◆ Set up a video camera, including white/black balance, iris, gain and audio levels for indoor and outdoor use.
- ◆ Operate off-line edit systems.
- ◆ Develop a fundamental knowledge of micro-computers systems.
- ◆ Demonstrate a working knowledge of basic software packages.
- ◆ Produce page layout documents that solve a variety of communications and design problems.
- ◆ Demonstrate studio booking procedures.
- ◆ Develop a studio maintenance schedule.
- ◆ Demonstrate basic accounting principles, including accounts payable and receivable.
- ◆ Identify and produce writing using correct sentence structure and punctuation.
- ◆ Revise and proofread all elements of a document for use in final form.

- ◆ Research, develop and present a written presentation.
- ◆ Research, develop and present an oral presentation.
- ◆ Demonstrate problem-solving and team building skills through participation in active learning exercises.
- ◆ Demonstrate the ability to support diverse perspectives with reasoning and evidence.
- ◆ Identify basic mathematics concepts and gain skill in solving problems based on whole numbers, fractions, decimals and percentages. To review U.S. Customary measurements and convert to metric measurements. Understanding is expressed verbally during class by answering assigned questions and by computing 70% of the problems included in the weekly quizzes accurately.