

AUDIO ENGINEERING (MUSC)

MUSC 1323 Audio Electronics Troubleshooting 3 Credits (2 Lec, 2 Lab)

This course covers basic concepts in electricity, Ohm's Law, circuit analysis, and troubleshooting. Includes soldering techniques and equipment maintenance.

Prerequisite(s): MUSC 1327

Course Type: Technical

MUSC 1327 Audio Engineering I 3 Credits (2 Lec, 4 Lab)

This course provides the tools, personnel, and standard workflow of a recording studio. Topics include fundamentals of sound and overview of tracking, editing, and mixing audio.

Course Type: Technical

MUSC 1331 Musical Instrument Digital Interface 3 Credits (2 Lec, 2 Lab)

This course provides an exploration of Musical Instrument Digital Interface (MIDI) systems and applications. Includes the MIDI language and applications in the studio environment using software-based sequencing programs.

Course Type: Technical

MUSC 1405 Live Sound I 4 Credits (2 Lec, 4 Lab)

This course is an overview of the field of live sound. Includes principles of live sound and the theory and interconnection of the components of a sound reinforcement system.

Prerequisite(s): MUSC 2427

Course Type: Technical

MUSC 2101 Audio Engineering Practices 1 Credit (0 Lec, 3 Lab)

This course is an application of the concepts and techniques presented in Audio Engineering I and II.

Prerequisite(s): MUSC 2427

Course Type: Technical

MUSC 2355 Musical Instrument Digital Interface II 3 Credits (2 Lec, 2 Lab)

This course is a continuation of MIDI I with advanced MIDI concepts and techniques. Includes synchronizing MIDI and audio and advanced sequencer operation.

Prerequisite(s): MUSC 1331

Course Type: Technical

MUSC 2386 Internship-Recording Arts Technology/Technician 3 Credits (0 Lec, 18 Lab)

This course is a work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. A learning plan is developed by the college and employer.

Prerequisite with concurrency: MUSC 2447 or MUSC 2403

Course Type: Technical

MUSC 2403 Live Sound II 4 Credits (2 Lec, 4 Lab)

This course provides an overview of stage monitor systems. Includes systems set-up and operation, and stage management. Also covers interactivity between sound management, performance quality, and audience experience.

Prerequisite(s): MUSC 1405

Course Type: Technical

MUSC 2427 Audio Engineering II 4 Credits (3 Lec, 3 Lab)

This is a continuation of Audio Engineering I with emphasis on implementation of the recording process, including microphones, audio console, multi-track recorder, and signal processing devices.

Prerequisite(s): MUSC 1327

Course Type: Technical

MUSC 2447 Audio Engineering III 4 Credits (3 Lec, 3 Lab)

This course covers advanced techniques in recording and manipulation of audio. Includes digital audio editing, recording techniques, and signal processing.

Prerequisite(s): MUSC 2427

Course Type: Technical