

MUSIC (MUSC)

MUSC 1011 - The Greatest Albums of All Time (3 Credits)
 Explores the greatest recorded albums of the modern era. Students will gain historical perspective on specific groups and also learn about the tools and techniques used in their production process. For students who want to learn how to listen to music with greater understanding and appreciation. Max hours: 3 Credits.
 Grading Basis: Letter Grade

MUSC 1111 - First-Year Seminar (3 Credits)
 Restriction: Restricted to Freshman level students. Max hours: 3 Credits.
 Grading Basis: Letter Grade
 Restriction: Restricted to Freshman level students

MUSC 1540 - Introduction to Audio Production (3 Credits)
 Operating principles and performance characteristics of microphones, amplifiers, speaker systems, equalizers, mixers and multi-track recorders; acoustics of music, auditoriums and recording studios. Max hours: 3 Credits.
 Grading Basis: Letter Grade

MUSC 1541 - Audio Production I (3 Credits)
 Operating principles and performance characteristics of microphones, amplifiers, speaker systems, equalizers, mixers and multi-track recorders; acoustics of music, auditoriums and recording studios. Coreq: MUSC 1542. Restriction: Restricted to MUSC-BS with a sub-plan of MRA or MST. Max Hours: 3 Credits.
 Grading Basis: Letter Grade
 Coreq: MUSC 1542. Restriction: Restricted to MUSC-BS with a sub-plan of MRA or MST

MUSC 1542 - Audio Production Lab (1 Credit)
 Lab component to Audio Production I. Focus is on digital audio workstation fluency including recording, editing, processing, signal flow, and automation, and multitrack mixing principles. Coreq: MUSC 1541. Restriction: Restricted to MUSC-BS majors within the College of Arts and Media. Max Hours: 1 Credit.
 Grading Basis: Letter Grade
 Coreq: MUSC 1541. Restriction: Restricted to MUSC-BS majors within the College of Arts and Media.

MUSC 1560 - Audio Production II (3 Credits)
 Studies include theoretical and practical music production techniques with topics covering digital audio workstations, signal flow, digital signal processing, MIDI production, synthesis, and sampling. Team lab recording projects involve recording, mixing, and other music production techniques. Prereq: MUSC 1540 or MUSC 1541, and MUSC 1542. Restriction: Restricted to MUSC-BS majors with a sub-plan of MRA or MST. Max hours: 3 Credits.
 Grading Basis: Letter Grade
 Prereq: MUSC 1540 or MUSC 1541, and MUSC 1542. Restriction: Restricted to MUSC-BS majors with a sub-plan of MRA or MST.

MUSC 1600 - International Perspectives & Global Reach of Musics from Mexico (3 Credits)

This course encourages students to think critically, communicate effectively (writing, verbal, and digital), and ideate creatively with an international perspective. The international and global reach of musics from Mexico is extensive and diverse. The history and cultural/social contexts, geographic and historical considerations, instrumentation, song lyrics, choreography, and performance practice are linked to many academic research disciplines. This course will draw on international perspectives informed by discipline-based approaches from areas such as anthropology, communication, economics, history, ethnomusicology, Spanish, and political science to provide vibrant contexts grounded in international issues, theories, and discourse. Max Hours: 3 Credits.
 Grading Basis: Letter Grade

Additional Information: Denver Core Requirement, International Perspectives.

Typically Offered: Fall, Spring.

MUSC 1800 - Acoustics for Audio Production (3 Credits)
 This course studies the nature of sound and practical applications for critical listening and recording environments. Topics include the nature of sound, studio and concert hall design measurement and analysis. Max hours: 3 Credits.
 Grading Basis: Letter Grade

MUSC 2125 - Electronic Music Production Techniques (3 Credits)
 Students will learn contemporary electronic music techniques using current software. The class will include MIDI sequencing, looping, sampling, FM synthesis, subtractive synthesis, and wavetable synthesis. Students will also learn how to appropriately use effects and digital editing. Prereq: MUSC 1560. Restriction: Restricted to MUSC-BS majors with a sub-plan of MRA or MST. Max hours: 3 Credits.
 Grading Basis: Letter Grade
 Prereq: MUSC 1560; Restricted to MUSC-BS majors with a sub-plan of MRA or MST.

MUSC 2450 - Performing Arts Management and Presentation (3 Credits)
 Introduces students to nonprofit and for-profit arts organization issues in performance presentation including organization structure, performance production and management, development of leadership and organizational skills as well as a general understanding of the profession. Max hours: 3 Credits.
 Grading Basis: Letter Grade

MUSC 2510 - Topics in Recording Arts (3 Credits)
 Selected topical subjects to include live or studio sound recording, sound reinforcement, new technologies or practices in the audio industry. Repeatable. Max hours: 6 Credits.
 Grading Basis: Letter Grade
 Repeatable. Max Credits: 6.

MUSC 2550 - Critical Listening for Recording Arts (3 Credits)
 Students will be trained to recognize: boosts and cuts in different bands of frequencies at increasingly small increments, types of distortion, parameters for compression, delay, reverb and stereo imaging. Students will develop a vocabulary for describing sounds and improving auditory memory. Prereqs: MUSC 1560, 1800; Coreq: MUSC 2580; Restricted to BS-MUSC MRA or MST sub-plan only. Max hours: 3 Credits.
 Grading Basis: Letter Grade
 Prereqs: MUSC 1560, 1800; Co-req: MUSC 2580; Restricted to BS-MUSC MRA or MST sub-plan only.

MUSC 2580 - Audio Production III (3 Credits)

Advanced studies in sound recording and reinforcement, aesthetics and techniques of multi-track digital recording and stereo imaging. Team lab recording projects. Prereq: MUSC 1560, MUSC 1800; Coreq: MUSC 2550; Restricted to BS-MUSC MRA and MST sub-plans only. Cross-listed with MSRA 5550. Max hours: 3 Credits.

Grading Basis: Letter Grade

Prereq: MUSC 1560, MUSC 1800; Co-req: MUSC 2550; Restricted to BS-MUSC MRA and MST sub-plans only.

MUSC 2590 - Mastering & Advanced Digital Audio (3 Credits)

A study and practice of the art of mastering. Topics covered include: history, monitoring, signal flow, metering, jitter, audio restoration, limiting, creating a CD pre-master, & mastering for new media. Students will get practical experience mastering their own projects. Prereq: MUSC 2550 & 2580. Restriction: Restricted to MRA and MST sub-plan only. Max hours: 3 Credits.

Grading Basis: Letter Grade

Prereq: MUSC 2550 2580; Restricted to MRA and MST sub-plan only.

MUSC 2600 - A History of Audio in 30 objects (3 Credits)

Explore the history of audio through the stories of 30 key objects. From Edison cylinders to Apple computers. This class will trace the development of recording technology and techniques, and discuss how they effect the way we work today. Max hours: 3 Credits.

Grading Basis: Letter Grade

MUSC 2700 - Introduction to Music Business (3 Credits)

Introduces music as a business and a product, emphasizing music publishing, recording, broadcasting, marketing, licensing and legal aspects. Max hours: 3 Credits.

Grading Basis: Letter Grade

Restriction: Restricted to MUSC-BS majors within the College of Arts and Media.

MUSC 2750 - Introduction to Music Business (3 Credits)

Introduces music as a business and product emphasizing music publishing, recording, broadcasting, marketing, licensing and legal aspects. Max hours: 3 Credits.

Grading Basis: Letter Grade

MUSC 2815 - Music Industry Topics (3 Credits)

Various topics related to music business and recording arts industries. Repeatable. Max Hours: 12 Credits.

Grading Basis: Letter Grade

Repeatable. Max Credits: 12.

Typically Offered: Fall, Spring.

MUSC 2851 - Introduction to the International Music Business (3 Credits)

Students are introduced to the fundamentals of the international music business in diverse countries, including through online discussions and research. Max hours: 3 Credits.

Grading Basis: Letter Grade

MUSC 2852 - Introduction to International Music Technology (3 Credits)

Historical and current global innovations in music technology and their impact on popular music. From magnetic tape to DAWs, monophonic to immersive audio, Roland's 808 bass to Ableton Live. Japan, Germany, Sweden, and the UK are among those represented. Max hours: 3 Credits.

Grading Basis: Letter Grade

MUSC 2853 - International Music Business Study Abroad (3 Credits)

Students engage in music-business field trips to international settings to attend industry events, interact with industry professionals and conduct research for a practical perspective on the increasing globalization of the music industry. Max hours: 3 Credits.

Grading Basis: Letter Grade

MUSC 2854 - International Recording Arts Study Abroad (3 Credits)

Students become acquainted with music technology in a different country by visiting music conferences, recording studios, manufacturers, and historical landmarks. Students compare culturally-based standards and expectations of quality and communication to enhance their sense of professionalism in the field. Max hours: 3 Credits

Grading Basis: Letter Grade

Additional Information: Global Education Study Abroad.

MUSC 3125 - Sound and Music for Video Games (3 Credits)

This course will give students an overview of the function of sound and music for video games including: history, sound engines, types of audio utilized, stereo and surround sound localization, music capabilities of hardware configurations and future trends in sound for video games.

Prereq: MUSC 2580. Max hours: 3 Credit.

Grading Basis: Letter Grade

Pre: MUSC 2580

MUSC 3130 - Sound and Music For Video Games II (3 Credits)

Course is a continuation of Sound and Music for Video Games. Topics of study include non-linear music composition and implementation, advanced sound design techniques, optimization, and hands-on experience with modern game engines and game audio engines. Prereq: MUSC 3125. Restriction: Restricted to MUSC-BS majors with a sub-plan of MRA or MST. Max Hours: 3 Credits.

Grading Basis: Letter Grade

Prereq: MUSC 3125. Restriction: Restricted to MUSC-BS majors with a sub-plan of MRA or MST.

MUSC 3210 - Music and Entertainment Marketing (3 Credits)

In this course students learn the essential elements of marketing as applied to the music and entertainment industry. Course topics include: marketing principles, theories and tools utilized in the music and entertainment businesses and specific industry practices and applications. Prereq: MUSC 2700. Max hours: 3 Credits.

Grading Basis: Letter Grade

Prereq: MUSC 2700 Restriction: Restricted to MUSC-BS majors within the College of Arts and Media

MUSC 3220 - Artist Management (3 Credits)

Students learn the theory and practice of artist management as it relates to developing a career through entrepreneurship, establishing business structures for the artist, and concepts including: promotion, live performance, recording, contracts, and essential business practices. Prereq: MUSC 2700 Max hours: 3 Credits.

Grading Basis: Letter Grade

Prereq: MUSC 2700 Restriction: Restricted to MUSC-BS majors within the College of Arts and Media.

MUSC 3250 - Music and Entertainment Marketing (3 Credits)

Students learn the essential elements of marketing as applied to the music and entertainment industry. Course topics include: marketing principles, theories and tools utilized in the music and entertainment businesses and specific industry practices and applications. Restriction: Restricted to Music Industry Studies Minor MUIS-MIN. Prereq: MUSC 2750 or MUSC 2700. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restricted to Music Industry Studies Minor MUIS-MIN. Prereq: MUSC 2750 or MUSC 2700.

MUSC 3260 - Artist Management (3 Credits)

Students learn the theory and practice of artist management as it relates to developing a career through entrepreneurship, establishing business structures for the artist, and concepts including: promotion, live performance, recording, contracts, and essential business practices. Restriction: Restricted to Music Industry Studies Minor MUIS-MIN. Prereq: MUSC 2750 or MUSC 2700. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restricted to Music Industry Studies Minor MUIS-MIN. Prereq: MUSC 2750 or MUSC 2700.

MUSC 3265 - Music Industry Networking (3 Credits)

This course examines key networking strategies, processes and methods within the music industry. Students will research potential markets using social media, face-to-face interaction and other electronic means. Prereq: MUSC 3220. Max hours: 3 Credits.
Grading Basis: Letter Grade
Prereq: MUSC 3220

MUSC 3505 - Introduction to Audio Post Production (3 Credits)

Reviews all aspects of audio synchronized with picture, including music, sound effects, narration, and dialog replacement. Topics studied with respect to film, video and multi-media. Prereq: MUSC 2590 or FITV 2650 (Sound for Film and TV). Max Hours: 3 Credits.
Grading Basis: Letter Grade
Prereq: MUSC 2590 or FITV 2650.
Typically Offered: Fall, Spring.

MUSC 3515 - History of 20th Century Film Music (3 Credits)

This survey of the history of 20th century music in film will acquaint aspiring filmmakers and musicians with a history of the music, as well as concepts of film theory and the creative use of film music. Restriction: Restricted to students with Junior or Senior status. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restriction: Restricted to Juniors and Seniors only.

MUSC 3520 - History of Songs in 20th Century Films (3 Credits)

This survey of the history of songs in 20th-century film will acquaint aspiring filmmakers and musicians with songs from 1927 - 1999 and will include songs written for films, songs licensed for films, and songs in musical feature films. Restriction: Restricted to MEIS majors with junior-level standing or higher. Cross-listed with MSRA 5520. Max hours: 3 Credits.
Grading Basis: Letter Grade
Restriction: Restricted to MEIS majors with junior-level standing or higher.
Typically Offered: Fall.

MUSC 3530 - Live Sound Reinforcement (3 Credits)

This course focuses on the basic elements of sound reinforcement: acoustics, equalization, equipment and mixing techniques. The major emphasis is the production of the final sonic product. Prereq: MUSC 2580. Restriction: Restricted to Sophomore standing or higher and to MUSC-BS with a sub-plan of MRA or MST. Max hours: 3 Credits.
Grading Basis: Letter Grade
Prereq: MUSC 2580 Restriction: Restricted to Sophomore standing or higher. Restriction: Restricted to MUSC-BS with sub-plan of MRA or MST.

MUSC 3545 - Music Editing in Visual Media (3 Credits)

Music editing for film and television. Spotting notes, temp tracks, cue sheets, scoring session management, dubbing stage fixes, and Performing Rights Artists notes. Cross-listed with MSRA 5545. Prereq: MUSC 3505. Max hours: 3 Credits.
Grading Basis: Letter Grade
Prereq: MUSC 3505

MUSC 3555 - Dialogue Editing & Mixing for Visual Media (3 Credits)

Dialogue editing and mixing for film and television. Recording Voiceover, Automated Dialogue Replacement, Group ADR, Efforts. Noise-reduction, mix levels, compression, limiting, EQ and use of reflected sound. Cross-listed with MSRA 5555. Prereq: MUSC 3505. Max Hours: 3 Credits.
Grading Basis: Letter Grade
Prereq: MUSC 3505

MUSC 3615 - Topics In Music Business (3 Credits)

Various topics relating to the study of music business. Repeatable. Max hours: 3 Credits.
Grading Basis: Letter Grade
Repeatable. Max Credits: 12.
Restrictions: Restricted to MUSC majors, MUIS and GMUS minors within the College of Arts and Media.
Typically Offered: Fall, Spring, Summer.

MUSC 3650 - Music Touring (3 Credits)

Study of the important elements related to the successful execution of musical tours. Topics include tour management, deal memos and contracts, advancing a tour, tour routing, management/booking agents, merchandise sales, tour accounting, hand tour marketing. Prereq: MUSC 3210 and MUSC 3220. Restriction: Restricted to MUSC-BS majors within the College of Arts and Media. Max Hours: 3 Credits.
Grading Basis: Letter Grade
Prereq: MUSC 3210 and MUSC 3220. Restriction: Restricted to MUSC-BS majors within the College of Arts and Media.

MUSC 3690 - Concert Promotion and Venue Management (3 Credits)

This course gives students a working knowledge of touring, presenting, promoting, marketing and management of live concerts. They will undertake an in-depth analysis from various points of reference: issues for agent, independent promoter, venue manager, tour/production manager and performer. Prereq: MUSC 3210 and MUSC 3220. Max Hours: 3 Credits.
Grading Basis: Letter Grade
Prereq: MUSC 3210 and MUSC 3220 Restriction: Restricted to MUSC-BS majors within the College of Arts and Media

MUSC 3699 - Concert Promotion and Venue Management (3 Credits)
 This course gives students a working knowledge of touring, presenting, promoting, marketing and management of live concerts. They will undertake an in-depth analysis from various points of reference: issues for agent, independent promoter, venue manager, tour/production manager and performer. Restriction: Restricted to Music Business Minors. Prereq: MUSC 3250 and MUSC 3260. Max hours: 3 Credits.
 Grading Basis: Letter Grade
 Restricted to Music Business Minors. Prereqs: MUSC 3250 and MUSC 3260.

MUSC 3700 - Music and Entertainment Business in the Digital Age (3 Credits)
 In this course students learn the trends and developments changing the industry in the Digital Age. Course focuses on current technology, terminology and business models shaping the industry, preparing students for entry into an evolving music and entertainment career. Prereq: MUSC 3210 and 3220. Max hours: 3 Credits.
 Grading Basis: Letter Grade
 Prereq: MUSC 3210 and 3220 Restriction: Restricted to MUSC-BS majors within the College of Arts and Media

MUSC 3710 - Artist and Record Labels (3 Credits)
 Provides students with an opportunity to use knowledge and skills from music business courses to create and execute initiatives while partnering with local artists and music-related entities for a hands-on learning experience that benefits the student and local music community. Prereq: MUSC 3210 and 3220. Restriction: Restricted to MUSC-BS majors within the College of Arts and Media. Max hours: 3 Credits.
 Grading Basis: Letter Grade
 Repeatable. Max Credits: 3.
 Prereq: MUSC 3210 and 3220 Restriction: Restricted to MUSC-BS majors within the College of Arts and Media
 Typically Offered: Fall, Spring.

MUSC 3715 - Music Business Modules (1 Credit)
 Modular courses intended to expose students to specific business and management aspects of various subindustries within the music industry. Prereq: MUSC 3690. Max hours: 1 Credit.
 Grading Basis: Letter Grade
 Restrictions: Restricted to MUSC majors, MUIS and GMUS minors within the College of Arts and Media.

MUSC 3720 - Law and the Music Industry (3 Credits)
 Students will learn how to use and analyze music law principles through a review of essential court case studies. Students will be tested on lecture material and provided with an opportunity to complete research papers for a more in-depth examination. Prereq: MUSC 3700, 3710 and 3755. Restriction: Restricted to MUSC-BS majors within the College of Arts and Media. Max hours: 3 Credits.
 Grading Basis: Letter Grade
 Prereq: MUSC 3700, 3710 and 3755. Restriction: Restricted to MUSC-BS majors within the College of Arts and Media.

MUSC 3730 - Introduction to Music Cities (3 Credits)
 In this course, students will examine the development and enhancement of music communities, using as templates the music communities in the city of Denver, the state of Colorado, and other cities throughout the world. Max hours: 3 Credits.
 Grading Basis: Letter Grade
 Typically Offered: Fall, Spring.

MUSC 3731 - Non Profit Entities in Music and Creative Economies (3 Credits)
 Students explore the viability, creation, effective operation, and sustainability of a music-related non-profit entity within a music community and how it can strengthen the economic and social well-being of that community. Restriction: Restricted to students with a junior or senior standing. Max hours: 3 Credits.
 Grading Basis: Letter Grade
 Restriction: Restricted to Juniors and Seniors only.

MUSC 3732 - Advanced Music Cities (3 Credits)
 Students explore how investment in a city's music economy can be beneficial to the development of both a city's physical and economic landscape. Restriction: Restricted to students with a junior or senior standing. Max hours: 3 Credits.
 Grading Basis: Letter Grade
 Restriction: Restricted to Juniors and Seniors only.

MUSC 3733 - Music Tourism (3 Credits)
 Students will learn how to use music to drive local and regional tourism strategies. Restriction: Restricted to students with a junior or senior standing. Max hours: 3 Credits.
 Grading Basis: Letter Grade
 Restriction: Restricted to Juniors and Seniors only.

MUSC 3740 - Location Sound Recording (3 Credits)
 Studies workflow and techniques for location recording for film, video, TV, and video games. Students will work in field and in the studio recording and producing sound effects. Topics include microphone selection, field recording, editing and related industry studies. Prereq: MUSC 2590. Restriction: Restricted to MUSC-BS majors with a sub-plan of MRA or MST. Max hours: 3 Credits.
 Grading Basis: Letter Grade
 Prereq: MUSC 2590; Restricted to MUSC-BS majors with a sub-plan of MRA or MST.

MUSC 3750 - Women in the Music Industry (3 Credits)
 An exploration of the role of women in the music industry, from performers to recording professionals, managers, and executives. This course offers historical perspective on gender diversity in the industry, and explores current issues and its impact on music. Prereq: MUSC 2700. Max hours: 3 Credits.
 Grading Basis: Letter Grade
 Prereq: MUSC 2700.

MUSC 3755 - Music Publishing (3 Credits)
 Students will learn key issues related to music publishing and song marketing activities, as well as the function and responsibilities of music publishers. Students will gain insight into skills needed to operate a music publishing company. Restriction: Restricted to MUSC-BS majors within the College of Arts and Media. Prereq: MUSC 3210. Term offered: fall, spring. Max hours: 3 Credits.
 Grading Basis: Letter Grade
 Prereq: MUSC 3210 Restriction: Restricted to MUSC-BS majors within the College of Arts and Media
 Typically Offered: Fall, Spring.

MUSC 3760 - Music Publishing (3 Credits)

Students will learn key issues related to music publishing and song marketing activities, as well as the function and responsibilities of music publishers. Students will gain insight into skills needed to operate a music publishing company. Restriction: Restricted to Music Business Minors. Prereq: MUSC 3250. Term offered: fall, spring. Max hours: 3 Credits.

Grading Basis: Letter Grade

Restricted to Music Business Minors. Prereq: MUSC 3250.

Typically Offered: Fall, Spring.

MUSC 3770 - Music Licensing (3 Credits)

An examination of licensing and publishing agreements associated with the music industry. Course will also examine digital licensing agreements from a publishing and label perspective. Prereq: MUSC 3720 and MUSC 3755. Max hours: 3 Credits.

Grading Basis: Letter Grade

Prerequisite: MUSC 3720 and MUSC 3755.

MUSC 3775 - Music Supervision and Synch (3 Credits)

An examination of processes and strategies associated with securing licenses for music in media outside the music industry. This course offers hands-on opportunity to make music selections for a variety of media using licensing/contract deals for composers, publishers, and labels. Prereq: MUSC 2700 OR MUSC 2750 OR FITV 1001. Max hours: 3 Credits.

Grading Basis: Letter Grade

Prereq: MUSC 2700 OR MUSC 2750 OR FITV 1001.

Typically Offered: Fall, Spring.

MUSC 3785 - Current Issues In the Music Business (3 Credits)

Class discusses and analyzes cutting-edge business and legal developments in the music industry, focusing particularly on the developments' impact on historical traditions, career paths and creative applications in the field. Term offered: fall, spring. Max hours: 3 Credits.

Grading Basis: Letter Grade

Repeatable. Max Credits: 3.

Typically Offered: Fall, Spring.

MUSC 3790 - Video Production in the Arts: Music (4 Credits)

Introduces the development of the contemporary music video with an emphasis on stylistic and technical analysis. Combines a lecture demonstration format with hands-on videography. Open to music, theatre, fine arts majors, and students who have successfully completed at least one College of Arts and Media course. Max hours: 4 Credits.

Grading Basis: Letter Grade

MUSC 3845 - The Beatles (3 Credits)

This course explores the music, biography, cultural impact and business of the Beatles. Term offered: fall, spring, summer. Max hours: 3 Credits.

Grading Basis: Letter Grade

Restriction: Restricted to MUSC-BS majors within the College of Arts and Media.

Typically Offered: Fall, Spring, Summer.

MUSC 3850 - History of the Music Industry (3 Credits)

This course investigates the historical development of the music industry from an economic, social, artistic, political, and technological perspective. It focuses on organizations, genres, business systems and influential individuals. Restriction: Restricted to MUSC-BS majors within the College of Arts & Media. Max hours: 3 Credits.

Grading Basis: Letter Grade

Restriction: Restricted to MUSC-BS majors within the College of Arts and Media.

MUSC 4100 - Advanced Composition (2 Credits)

Composition of extended forms. May be repeated once for credit. Prereq: MUSC 3200. Max hours: 2 Credits.

Grading Basis: Letter Grade

Repeatable. Max Credits: 2.

MUSC 4210 - Advanced Music Law (3 Credits)

Students will conduct in-depth research on focused music law issues, and engage in a workshop setting in drafting, reviewing and negotiating music business contracts. Prereq: MUSC 3720. Max hours: 3 Credits.

Grading Basis: Letter Grade

Pre: MUSC 3720

MUSC 4360 - Music, Meditation and Technology (3 Credits)

Interdisciplinary course on acoustic ecology, sound art, and music technology. Through deep listening, compassionate listening, soundwalking, and interactive music controlled by motion capture, the unifying theme of this course is an engagement with sonic awareness, environment, and self-exploration. Restriction: Restricted to MUSC-BS majors with a sub-plan of MRA or MST. Cross-listed with MSRA 5360. Max hours: 3 Credits.

Grading Basis: Letter Grade

Restriction: Restricted to MUSC-BS majors with a sub-plan of MRA or MST within the College of Arts and Media

Typically Offered: Fall.

MUSC 4380 - Advanced Electronic Music Production & Performance (3 Credits)

This course is designed to take a deeper dive into music, electronic music, as well as perceptions of music. Students will be able to create generative compositions, single sample-based compositions, a performative electronic composition, and incorporate multimedia elements into their compositions. Prereq: MUSC 2590. Restriction: Restricted to MUSC-BS majors with a sub-plan of MRA or MST. Cross-listed with MSRA 5380. Max hours: 3 Credits.

Grading Basis: Letter Grade

Prereq: MUSC 2590; Restricted to MUSC-BS majors with a sub-plan of MRA or MST.

MUSC 4400 - The International Music Business (3 Credits)

Students examine key elements of the music business structures of different countries, including the countries' trade organizations, industry executives, music artists (as examples of music business success), intellectual property principles and current music business issues. Max hours: 3 Credits.

Grading Basis: Letter Grade

Typically Offered: Fall, Spring.

MUSC 4500 - Topics in Professional Audio (1 Credit)

Selected topical subjects to include live or studio sound recording, sound reinforcement, new technologies or practices in the audio industry.

Prereq: MUSC 4550. Cross-listed with MSRA 5500. Repeatable. Max Hours: 9 Credits.

Grading Basis: Letter Grade

Repeatable. Max Credits: 9.

Prereq: MUSC 4550 Restriction: Restricted to MUSC-BS majors with a sub-plan of MRA or MST.

MUSC 4510 - Topics in Recording Arts (3 Credits)

Selected topical subjects to include live or studio sound recording, sound reinforcement, new technologies or practices in the audio industry.

Restriction: Restricted to MUSC majors with a sub-plan of MRA or MST.

Repeatable. Max hours: 3 Credits.

Grading Basis: Letter Grade

Repeatable. Max Credits: 9.

Restriction: Restricted to MUSC majors with a sub-plan of MRA or MST

Typically Offered: Fall, Spring, Summer.

MUSC 4525 - Multimodal Interaction for Music (3 Credits)

This course explores human-computer interaction in music composition and performance. Students will learn to program and use open-source hardware to build novel and creative musical interfaces and instruments.

Restriction: Restricted to Junior/Senior level students in the Recording Arts program. Max hours: 3 Credits.

Grading Basis: Letter Grade

Restriction: Restricted to Junior/Senior level students in the Recording Arts program (MUSC-BS MST or MUSC-BS MRA)

MUSC 4535 - Sound Effects & Foley for Visual Media (3 Credits)

Techniques for recording sound effects in the field and recording Foley in the studio. Use of library effects. Use of mixing techniques and plug-ins to create more complex sounds. Cross-listed with MSRA 5535. Prereq: MUSC 3505. Max Hours: 3 Credits.

Grading Basis: Letter Grade

Prereq: MUSC 3505

MUSC 4545 - Re-recording Mixing for Visual Media (3 Credits)

Techniques for mixing dialogue, ADR, music, sound effects, background ambiences and Foley. Different level standards and deliverables. Cross-listed with MSRA 5565. Prereq: MUSC 3555 or MUSC 4535. Max Hours: 3 Credits.

Grading Basis: Letter Grade

Prereq: MUSC 3555 or MUSC 4535

MUSC 4575 - Surround Sound (3 Credits)

This lecture-lab course deals with surround sound in film, digital TV and DVDs. Topics include monitoring, microphone techniques, recording, mixing, mastering, delivery formats and psychoacoustics. Students work on two lab projects in the semester. Prereq: MUSC 2590. Restriction: Restricted to MUSC-BS majors with a sub-plan of MRA or MST. Cross-listed with MSRA 5575. Max hours: 3 Credits.

Grading Basis: Letter Grade

Prereq: MUSC 2590; Restricted to MUSC-BS majors with a sub-plan of MRA or MST.

MUSC 4580 - Audio Production Seminar (3 Credits)

Faculty and majors of the music engineering program assemble to discuss and demonstrate issues of artistic and technical applications of recording technology. Student projects, faculty, and guest lectures provide topical focus. (Music facility fee applies) Prereq: MUSC 3505.

Restriction: Restricted to MUSC-BS majors with a sub-plan of MRA or MST. Repeatable. Max hours: 12 Credits.

Grading Basis: Letter Grade

Repeatable. Max Credits: 12.

Prereq: MUSC 3505; Restricted to MUSC-BS majors with a sub-plan of MRA or MST.

MUSC 4581 - Audio Production Seminar II (3 Credits)

A capstone project based course in which students complete professional quality projects in music production and/or post production. Students refine their engineering skills and develop new skills required for integration in the music industry such as portfolio design and resume development. Prereq: MUSC 4580. Cross-listed with MSRA 5581. Max hours: 3 Credits.

Grading Basis: Letter Grade

Repeatable. Max Credits: 3.

Prereq: MUSC 4580 Restriction: Restricted to MUSC-BS majors with a sub-plan of MRA or MST

MUSC 4740 - Music Business Analysis (3 Credits)

Students learn to analyze specific managerial situations unique to the music and entertainment industries and will understand aspects of finance, taxation, and management science. Prereq: MUSC 3690, 3700, 3710 and 3755. Max hours: 3 Credits.

Grading Basis: Letter Grade

Prereq: MUSC 3690, 3700, 3710 and 3755 Restriction: Restricted to MUSC-BS majors within the College of Arts and Media

MUSC 4800 - Music Industry Entrepreneurship (3 Credits)

MIE is a project-based course focused on individual entrepreneurial endeavors. Students will supply their own business, music, multi-media or audio projects. The class will focus on principles of entrepreneurship and helping student's develop those projects into viable businesses or creative releases. Restriction: Restricted to Juniors and Seniors. Max hours: 3 Credits.

Grading Basis: Letter Grade

Restriction: Restricted to Juniors and Seniors only.

MUSC 4820 - Digital Music Techniques (3 Credits)

Studies the general principles and applications of digital music technology, emphasizing the function and operation of specific computer software. Topics include digital audio workstations, MIDI sequencers, digital signal processing programs, and distribution on optical discs and computer-based mediums. Prereq: Admittance to Recording Arts/Tech focus. Max hours: 3 Credits.

Grading Basis: Letter Grade

Restriction: Restricted to MUSC-BS majors with a sub-plan of MRA or MST

MUSC 4890 - Music Business Senior Seminar (3 Credits)

Seminar activities focus on students developing, discussing and completing individual capstone projects. This includes an in-depth research paper and in-class presentation to allow students to explore their relevant interests in the music business. Prereq: MUSC 3720. Max hours: 3 Credits.

Grading Basis: Letter Grade

Prereq: MUSC 3720 Restriction: Restricted to MUSC-BS majors within the College of Arts and Media

MUSC 4939 - Internship in MEIS (1-3 Credits)

Repeatable. Max hours: 12 Credits.

Grading Basis: Letter Grade

Repeatable. Max Credits: 12.