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## Music Courses

### **MUSC 1000. Music at Northeastern. (1 Hour)**

Intended for freshmen in the College of Arts, Media and Design. Introduces freshmen to the liberal arts in general. Offers students an opportunity to become familiar with their major; to develop the academic skills necessary to succeed (analytical ability and critical thinking); grounding in the culture and values of the university community; and to develop interpersonal skills—in short, to become familiar with all skills needed to become a successful university student.

### **MUSC 1001. Music in Everyday Life. (4 Hours)**

Dedicated to exploring, expanding, and exploding traditional meanings of what music is; of what it means to be a composer, performer, and audience member; and of what it means to listen. The overarching goal is to provide students with the tools and opportunities necessary for determining for themselves what place music holds in everyday life.

**Attribute(s):** NUpath Creative Express/Innov, NUpath Interpreting Culture

**MUSC 1002. Music in Everyday Life. (3 Hours)**

Explores and expands on traditional meanings of what music is; of what it means to be a composer, performer, and audience member; of what it means to listen; why music is special; and what gives music the power to sway so dramatically. The overarching goal is to provide students with the tools and opportunities necessary for determining for themselves what place music holds in their everyday lives.

**Corequisite(s):** [MUSC 1003](#)

**Attribute(s):** NUpath Creative Express/Innov, NUpath Interpreting Culture

**MUSC 1003. Lab for MUSC 1002. (1 Hour)**

Accompanies [MUSC 1002](#). Involves discussions of readings, brief writing assignments, and listening exercises introduced in [MUSC 1002](#).

**Corequisite(s):** [MUSC 1002](#)

**MUSC 1004. Basics of Western Music Notation. (1 Hour)**

Prepares students to gain fluency reading and writing standard Western music notation and gain facility with singing and performing rhythms and melodies in various meters, keys, and styles.

**MUSC 1100. Topics in Western Music. (4 Hours)**

Explores select musical forms and styles drawn from the Western art music canon, from the Middle Ages to the present. Introduces fundamental musical concepts and vocabulary. Analyzes selected works in terms of sound, style, and performance practice. These works are contextualized in relation to their sociohistorical context, expectations of patrons and audiences, composer's life and oeuvre, and musical and cultural significance, among other factors. May be repeated once.

**Attribute(s):** NUpath Interpreting Culture

**MUSC 1111. Rock Music. (4 Hours)**

Examines the development of rock-and-roll and its relationship to blues, rhythm and blues, country, folk, and other styles of music. Considers themes such as the role of rock as youth music, the reflections of social realities in rock songs, the relationship of rock to the recording industry and the mass media, and the changing styles of rock. Emphasizes listening skills.

**Attribute(s): NUpath Interpreting Culture****MUSC 1112. Jazz. (4 Hours)**

Examines the evolution of the creative improvisational musical styles commonly called jazz, from its African-American roots to its status as one of America's classical musics and an internationally valued art form. Explores the contributions of African and European musical traditions and African-American spirituals, work songs, and blues. Examines major contributors and stylistic development and change through selected audio and audio-visual presentations. Also considers the sociocultural dynamics that have affected musical evolution and acceptance.

**Attribute(s): NUpath Difference/Diversity, NUpath Interpreting Culture****MUSC 1113. Film Music. (4 Hours)**

Emphasizes the various ways that music is used in film, including music depicted on-screen and musical scores. Music is a crucial element of meaning in film, yet its presence is easy to ignore. Offers students an opportunity to learn basic approaches to the analysis of music and sound in film, to develop the ability to think critically about film, and to become knowledgeable about key historical developments in film music and sound. No musical background is necessary.

**Attribute(s): NUpath Creative Express/Innov, NUpath Interpreting Culture****MUSC 1118. Music Therapy 1. (4 Hours)**

Examines the application of music as a therapeutic vehicle to release suppressed emotions, to encourage self-expression in psychiatric patients, and to treat a wide variety of disorders. Examines music therapy, in a modern approach to health services, as a supplement to other treatments.

**MUSC 1119. Fundamentals of Western Music Theory. (4 Hours)**

Introduces students with little or no musical experience to all the major and minor key signatures and the following scales: major, natural minor, harmonic minor, and melodic minor. Topics include how to read music in treble clef, bass clef, and various C-clefs; how to identify and construct intervals, triads, and seventh chords; how melody and harmony work together to create a piece of music; roman numeral analyses; and various small forms. Short excerpts are analyzed, and students are required to write musical compositions.

**Attribute(s):** NUpath Creative Express/Innov

**MUSC 1128. Music of Africa. (4 Hours)**

Uses ethnomusicological frameworks and concepts to examine some of the many music cultures on the continent of Africa. Selected cultures are studied through their musical, social, historical, and political heritage. Musical focus includes various vocal and instrumental performance characteristics as well as dance. Covers traditional and contemporary African music. Not open to students who have taken AFRS 1128.

**MUSC 1134. Guitar Class. (4 Hours)**

Provides an introduction to the fundamentals of classical guitar playing for those with or without prior knowledge of the guitar. Covers music reading and theory. Requires students to perform alone and in ensemble with other members of the class. Augments the syllabus by live performances from outside professional and student classical guitarists. Bases final grades on several written examinations and student performance.

**Attribute(s):** NUpath Creative Express/Innov

**MUSC 1136. What's Playing at Symphony?. (4 Hours)**

Offers students an opportunity to attend several performances of the Boston Symphony Orchestra (BSO) at Symphony Hall. Discusses each piece of music from a variety of perspectives, including the history of a given composer and his or her relationship to music history and the history of a given composition and its relevance to the symphonic repertoire. Analyzes program pieces in order to provide a deeper appreciation for their musical construction; however, no musical background is required to participate in this course—it is designed for nonmusic majors and music majors alike. Requires students to purchase BSO College Cards (for a nominal fee) for the current BSO concert season.

**Attribute(s):** NUpath Interpreting Culture

**MUSC 1137. Topics in Diverse Musical Cultures. (4 Hours)**

Introduces students to select musical practices from around the world, with some semesters focusing on a geographic region (i.e., music of Asia) or topic (i.e., music and politics) addressed from a cross-cultural and interdisciplinary perspective. Presents the field of ethnomusicology—"the study of people making music"—and explores

musical practices in relation to their sociocultural context and other intersections of the human experience, such as religion, economics, identity, gender, social justice, and politics. Offers students an opportunity to obtain an appreciation of a diverse array of musical traditions and aesthetics and a critical understanding of music as a meaningful form of human expression.

**Attribute(s):** NUpath Difference/Diversity, NUpath Interpreting Culture

### **MUSC 1141. Wired for Sound. (4 Hours)**

Explores the use of electronics in music of various styles and genres from a historical perspective, beginning in the early twentieth century and moving to the present. Examines the methods and means of electronic sound production. Throughout history, technological innovations have influenced music. Starting in the early twentieth century, electricity and, later, electronics, became a key motivating force in music, both in composing and performing and even in listening. Covers the social and cultural conditions under which electric sound was able to evolve.

**Attribute(s):** NUpath Interpreting Culture

### **MUSC 1142. Pop, Jazz, and Rock Singing. (4 Hours)**

Focuses on singing techniques used in pop, rock, and jazz. Techniques taught, discussed, and applied in class include breathing, tone and vowel production, singing with power without strain, developing range, improvising, and creating one's own style. Offers students an opportunity to apply these techniques in class, learning through vocal demonstrations in class and through the study of recordings. Singers/songwriters are encouraged to enroll. All levels of singers are welcome; students who enroll should already have the ability to sing generally in tune.

**Attribute(s):** NUpath Creative Express/Innov

### **MUSC 1201. Music Theory 1. (4 Hours)**

Introduces melodic and harmonic practices in tonal music with additional work in chord and melody construction. Develops ear training and sight-singing skills.

**Prerequisite(s):** **MUSC 1119** with a minimum grade of C

**Attribute(s):** NUpath Creative Express/Innov

### **MUSC 1202. Music Theory 2. (4 Hours)**

Continues **MUSC 1201**. Focuses on harmonic practices in tonal music. Examines the role and function of harmony through analysis of musical examples and composition of four-voice chorales. Introduces study of advanced harmony. Further develops ear training and sight-singing skills.

**Prerequisite(s):** **MUSC 1201** with a minimum grade of C

### **MUSC 1205. Piano Class 1. (4 Hours)**

Provides introductory-level study of piano designed for students with or without previous experience. Combines skills in reading music with improvisation and functional piano. Introduces some basic theory to help clarify the structure of class repertoire. Allows students to progress at their own pace. Determines grades by the amount of repertoire mastered during the semester.

### **MUSC 1301. Introduction to Music Composition. (4 Hours)**

Introduces basic concepts of musical elements, notation, experimentation, and compositional processes and exposes students to several methods of composing musical works. Analyzes works in several genres as potential models including Western art music, contemporary popular music, non-Western styles, and music by living composers, among others. Offers students an opportunity to compose original works of music that draw on these analyses as well as personal influences and inspirations.

**Attribute(s):** NUpath Creative Express/Innov

### **MUSC 1901. Music Lessons 1. (1 Hour)**

Offers private instruction in voice or in an instrument. Arranges weekly lessons on a half-hour basis. Contact the music department for arrangements. Requires lab fee. May be repeated without limit.

### **MUSC 1902. Music Lessons 2. (1 Hour)**

Offers private instruction in voice or in an instrument. Arranges weekly lessons on a half-hour basis. Contact the music department for arrangements. Requires lab fee. May be repeated without limit.

### **MUSC 1903. Composition Lessons. (1 Hour)**

Offers private instruction in music composition. Contact the music department for arrangements. Requires lab fee. May be repeated without limit.

**MUSC 1904. Chorus. (1 Hour)**

Allows students to participate as performers in one or more ensembles under the direction of a faculty conductor. *Prereq: Audition or permission of instructor.* May be repeated without limit.

**MUSC 1905. Concert Band. (1 Hour)**

Allows students to participate as performers in one or more ensembles under the direction of a faculty conductor. May be repeated without limit.

**MUSC 1906. Orchestra. (1 Hour)**

Allows students to participate as performers in one or more ensembles under the direction of a faculty conductor. *Prereq: Audition or permission of instructor.* May be repeated without limit.

**MUSC 1907. Wind Ensemble. (1 Hour)**

Allows students to participate as performers in one or more ensembles under the direction of a faculty conductor. *Prereq: Audition or permission of instructor.* May be repeated without limit.

**MUSC 1911. Jazz Ensemble. (1 Hour)**

Designed to serve both music majors and nonmajors, this is a performance/theory/history offering of the varied styles and techniques of performance in the jazz tradition of African-American music. Students are drawn from all segments of the University. Repertory is taken from the standard jazz literature as well as investigations of new works. Improvisational and interpretational technique are the core content of the course. Both the NU Jazz Ensemble and the NU Jazz Combo are represented together in this course. *Prereq: Audition or permission of instructor.* May be repeated without limit.

**MUSC 1912. Rock Ensemble. (1 Hour)**

Offers students an opportunity to participate in an intermediate-/advanced-level performance group consisting of vocalists, horn section (woodwinds and brass), electric bass and six-string guitar, keyboard, and drum set. Repertoire includes rock, pop, and RB styles. Requires audition or permission of instructor. May be repeated up to eight times.

**MUSC 1913. Blues/Rock Ensemble. (1 Hour)**

Allows students to participate as performers in one or more ensembles under the direction of a faculty conductor. *Prereq: Audition or permission of instructor.* May be repeated without limit.

**MUSC 1914. Pop Music Performance. (1 Hour)**

Offers students of all experience levels an opportunity to rehearse and perform pop music in an ensemble setting. Repertoire varies in style. Open to all without audition. May be repeated up to eight times.

**MUSC 1915. Chamber Ensemble. (1 Hour)**

Allows students to participate as performers in one or more ensembles under the direction of a faculty conductor. *Prereq: Audition or permission of instructor.* May be repeated without limit.

**MUSC 1917. Jazz Choir and Combo. (1 Hour)**

Designed to give students who sing jazz and blues the opportunity to rehearse and perform in a small vocal group. Offers students an opportunity to work on singing in harmony and be featured in solos. The group is also accompanied by a student jazz combo. Members of the combo may register for the course for credit. Requires audition. May be repeated without limit.

**MUSC 1918. World Music Ensemble. (1 Hour)**

Explores music-making traditions from selected world cultures through performance on percussion, voice, and other instruments. No previous music-making experience required. May be repeated up to eight times.

**MUSC 1919. Fusion Ensemble. (1 Hour)**



Offers students an opportunity to participate as performers in one or more ensembles under the direction of a faculty conductor. Focuses on instrumental rock, blues, funk, and jazz repertoire. *Prereq: Audition or permission of instructor.* May be repeated up to eight times.

**MUSC 1920. Pep Band. (1 Hour)**

Offers students an opportunity to participate as performers in one or more ensembles under the direction of a faculty supervisor. The pep band performs at sporting events and other university functions. May be repeated up to eight times.

**MUSC 1990. Elective. (1-4 Hours)**

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

**MUSC 2101. Black Popular Music. (4 Hours)**

Surveys, investigates, and analyzes black popular music from the end of the 19th century to the present. Through critical listening habits and analytical thinking skills, offers students an opportunity to explore black popular culture as a means of expression, communication, and collective identity, attending to issues of representation, identity, values, and aesthetics through a wide range of interdisciplinary sources and methodologies. Emphasizes intersections of creativity, technology, and performance, along with the impact of music industry, audience reception, and cultural politics. Expects students to complete daily exercises and weekly discussion forums in which they must apply critical thinking to synthesize material, complete comparative analyses, relate individual lessons to key course themes, and connect the curriculum to their own experiences and musical listening practices.

**Attribute(s):** NUpath Difference/Diversity, NUpath Interpreting Culture

**MUSC 2105. Songs That Made History. (4 Hours)**

Explores the history of the genre of song through a set of examples that have had enormous impact and influence, songs that have “made history.” Using songs selected by the faculty based on their expertise, this course aims to identify the social, cultural, musical, and poetic threads that have woven their way through song repertoires, influencing song composition from its origins to the present day.

Establishes commonalities and trends in order to understand how “song” has taken on an important cultural status that is unique to a specific time and place and is widespread, linking various songs together.

**Prerequisite(s):** ENGW 1111 with a minimum grade of C or ENGW 1102 with a minimum grade of C or ENGL 1111 with a minimum grade of C or ENGL 1102 with a minimum grade of C

**Attribute(s):** NUpath Creative Express/Innov, NUpath Interpreting Culture, NUpath Writing Intensive

### **MUSC 2111. Algebra and Geometry of Music. (4 Hours)**

Engages mathematical thinking in music with regard to its symbolic (how we represent music using numbers and signs); sonic (how mathematical thinking might create insights into musical sound); and grammatical (the logic by which music proceeds from one time to the next) expressions. Music and mathematics both contain objects that exhibit similar properties, such as circularity, similarity, objecthood, spatial dimensionality, dynamics, and processuality. Draws upon various branches of mathematics, including number theory, set theory, algebra, geometry, and statistics. Such representations highlight fundamental musical principles invoked in the process of improvisation, performance, and composition. As such, musical listening is a key component of the course. Ability to read musical notation or musical experience preferred.

**Attribute(s):** NUpath Creative Express/Innov, NUpath Formal/Quant Reasoning

### **MUSC 2150. Making a Musical: Analysis, Craft, and Creation. (4 Hours)**

Explores how great musicals are constructed and what tools are needed, focusing on how effective lyrics are built; how songs function in musicals; and how book writers, lyricists, and composers create new works and adapt existing works from other media to the musical theater stage. Offers students an opportunity to transform analytical techniques and discoveries into creative strategies, building short musicals in collaborative teams. Students need not be musicians to participate in this class. Aspiring actors, composers, lyricists, authors of all styles, technical theater artists and designers, and all those with a curiosity about the history of musicals and how musicals are made are strongly encouraged to enroll.

**Attribute(s):** NUpath Creative Express/Innov

### **MUSC 2208. Jazz Improvisation. (4 Hours)**

Focuses on repertory as well as performance. Examines the great improvisational artists in American music, such as Charlie Parker, Miles Davis, and John Coltrane. Approaches analysis from a theoretical as well as a practical perspective. Explores the use of rhythm, chords, scales, and modes in the creative improvisation process.

**MUSC 2209. Conducting. (4 Hours)**

Provides instruction in the basic gestures used in conducting vocal and instrumental ensembles. Topics include beat patterns, conveying phrasing and articulation, cueing, controlling tempo and dynamics, score study, and rehearsal techniques. Provides an opportunity for students to constitute a laboratory ensemble for regular practicum.

**Attribute(s):** NUpath Creative Express/Innov

**MUSC 2210. Introduction to Songwriting. (4 Hours)**

Offers an opportunity to learn to construct songs with forward motion and memorable “hooks.” Topics include time-proven song forms, melody writing, harmonic tools, lyric writing, collaboration, and production techniques. Emphasizes the craft of writing songs for use in film and television.

**Attribute(s):** NUpath Creative Express/Innov

**MUSC 2211. Advanced Songwriting. (4 Hours)**

Builds on the skills covered in **MUSC 2210**. Seeks to advance the student’s songwriting toolbox via a combination of analysis/transcription, writing, production, critiquing, and analysis. In order to maximize the amount of professional opportunities afforded to the songwriters, this course is highly collaborative in order to model the writing processes most commonly used in the industry. Students who do not meet course prerequisites may seek permission of instructor.

**Prerequisite(s):** **MUSC 2210** with a minimum grade of D- ; (**MUSC 1119** with a minimum grade of D- or **MUSC 1201** with a minimum grade of D- )

**Attribute(s):** NUpath Creative Express/Innov

**MUSC 2310. Popular Music Since 1945. (4 Hours)**

Surveys the evolution of popular music styles in the United States, from the end of World War II to the present day. Examines popular music’s development and transformation, highlighting interactions with a wide array of factors including

ethnic and gender identities, music business practices, race relations, social and political movements, and technological innovations. Offers students an opportunity to gain a broad overview of the field of popular music studies, its theoretical perspectives and methodologies, and its research sources and materials.

**Attribute(s):** NUpath Interpreting Culture, NUpath Societies/Institutions

### **MUSC 2311. Topics in American Music. (4 Hours)**

Explores the musical heritage of the United States through a range of instructor-selected case studies. Offers students an opportunity to learn to identify various styles of music and relate them to larger discourses on a range of topics, i.e., democracy, cultural pluralism, identity, and other themes in American musical life. Uses weekly instructor lectures, readings of both primary and secondary texts, listening/viewing of multimedia, peer discussion and feedback, and hands-on exercises to analyze and explore the varied role of music in American life.

**Prerequisite(s):** ENGL 1111 with a minimum grade of C or ENGL 1102 with a minimum grade of C or **ENGW 1111** with a minimum grade of C or **ENGW 1102** with a minimum grade of C

**Attribute(s):** NUpath Interpreting Culture, NUpath Writing Intensive

### **MUSC 2313. Topics in Global Music Cultures. (4 Hours)**

Explores a selection of musical traditions in order to gain an appreciation of musical diversity in terms of aesthetics and meanings. Interrogates the concept of “world music”/“global music” as a way of sustaining binaries between the West and “the rest.” Studies the historical, political, economic, social, and aesthetic contexts of varied musical practices to offer students an opportunity to learn how music both reflects and shapes its cultural setting. Through varied pedagogical techniques, presents an informed and critical understanding of music as a meaningful form of human expression.

**Prerequisite(s):** ENGL 1111 with a minimum grade of C or ENGL 1102 with a minimum grade of C or **ENGW 1111** with a minimum grade of C or **ENGW 1102** with a minimum grade of C

**Attribute(s):** NUpath Difference/Diversity, NUpath Interpreting Culture, NUpath Writing Intensive

### **MUSC 2316. History of the Music Industry. (4 Hours)**

Offers students an opportunity to obtain a thorough grounding in the history of the music industry. Following intensive study of the electronic and print tools available to those interested in researching the music industry, the course initiates historical work in the nineteenth century, when many aspects of the modern music industry took root and blossomed. The remainder of the course is organized around topics drawn from the twentieth and twenty-first centuries, including record companies and marketing, television and the music industry, and the Internet and the music industry. Each unit is accompanied by the most recent and cutting-edge research in the field.

**Prerequisite(s):** ENGL 1102 with a minimum grade of C or ENGL 1111 with a minimum grade of C or ENGW 1102 with a minimum grade of C or ENGW 1111 with a minimum grade of C or ENGW 1113 with a minimum grade of C or ENGW 1114 with a minimum grade of C

**Attribute(s):** NUpath Societies/Institutions, NUpath Writing Intensive

### **MUSC 2317. Punk Rock. (4 Hours)**

Explores punk rock as a music genre and a lifestyle, an attitude and a philosophy, a political orientation and a commodified fashion. Everyone's perspective on punk is different, but it also has rules and boundaries. Although it emerged in the 1970s as a reaction against very specific social, cultural, and musical moments in the United States and the United Kingdom, punk has become larger than itself in the intervening decades, spawning sub-subcultures and subgenres that would be unrecognizable to its originators. Addresses punk's long narrative: protopunk genres including garage rock and glam rock; punk's origins in New York City and London; its transformation into postpunk, hardcore, anarcho-punk, and straightedge; and its legacy outside the United States/United Kingdom nexus and in genres such as riot grrrl, grunge, and pop-punk.

**Prerequisite(s):** ENGW 1111 with a minimum grade of C or ENGW 1102 with a minimum grade of C or ENGL 1111 with a minimum grade of C or ENGL 1102 with a minimum grade of C

**Attribute(s):** NUpath Societies/Institutions, NUpath Writing Intensive

### **MUSC 2320. 40,000 Years of Music Technology. (4 Hours)**

Surveys the relationship between music and technology from the Paleolithic Age to the present. Examines the origins and impact of diverse musical instruments, with attention to connections between musical and technological developments; the

reasons instruments are accepted, modified, or abandoned; and debates about the effects of new technologies on music. Considers such forces as standardization, institutionalization, and commodification, as well as experimentation, hacker, and DIY cultures. Asks whether music technologies are “just tools” or rather carry with them ethical values and ramifications. By studying the sociocultural history of such instruments as the violin, piano, electric guitar and synthesizer, offers students an opportunity to gain an understanding of the interplay between technological change and the enduring human need for music.

**Prerequisite(s):** ENGL 1102 with a minimum grade of C or ENGL 1111 with a minimum grade of C or ENGW 1102 with a minimum grade of C or ENGW 1111 with a minimum grade of C

**Attribute(s):** NUpath Ethical Reasoning, NUpath Societies/Institutions, NUpath Writing Intensive

### **MUSC 2330. Musical Communities of Boston. (4 Hours)**

Combines ethnomusicology and experiential learning by exploring the diverse communities of Boston and their music. Since 17th-century encounters between the Wampanoag Nation and English Puritans, Boston has been characterized by intercultural contact and exchange. Discusses the history and legacies of such encounters, as well as present-day issues of diversity and belonging in Boston. Focuses on how communities reinforce their own cultural bonds through music and discusses alliances formed through shared experiences of diasporic, exilic, refugee, immigrant, and minority status. Through interdisciplinary, ethnographic analysis and practice, offers students an opportunity to explore how these inherently intersectional social dynamics—which engage issues of race, gender, class, ethnicity, etc.—play out through collective and individual musical practices.

**Prerequisite(s):** ENGL 1102 with a minimum grade of C or ENGL 1111 with a minimum grade of C or ENGW 1102 with a minimum grade of C or ENGW 1111 with a minimum grade of C or ENGW 1113 with a minimum grade of C or ENGW 1114 with a minimum grade of C

**Attribute(s):** NUpath Difference/Diversity, NUpath Societies/Institutions, NUpath Writing Intensive

### **MUSC 2331. Topics in Musical Communities. (4 Hours)**

Introduces students to diverse local communities of the surrounding area through texts and media, in-class workshops with local musicians and arts workers,

experiential activities, and students' own semester-long research projects. Explores a range of musical practices and intersecting issues, which might include music and urban spatial politics; music and gentrification; music, immigration, and diaspora; etc. Offers students an opportunity to engage with music through experiential learning activities, which might include soundwalks, conducting interviews, attending performances, or documenting music through photographs and audio recordings. May be repeated three times.

**Attribute(s):** NUpath Interpreting Culture

### **MUSC 2336. The Festival Experience. (4 Hours)**

Examines the ways in which music festivals shape and are shaped by the human desire to gather and celebrate. Through texts, guest lectures, class discussions, festival attendance (as ethnographic researchers), and service-learning alongside festival professionals, offers students an opportunity to learn how organizers make artistic, financial, and administrative decisions to deliver a unique festival experience. Explores the significance, widespread presence, and complex impacts of music festivals. Topics include how festivals shape musical life; what needs and desires festivals meet for producers and attendees; how festivals impact local communities and the natural environment; who defines the social, cultural, economic, and aesthetic values of the festival experience; and what festivals reveal about our history, present circumstances, and future potential.

**Attribute(s):** NUpath Integration Experience, NUpath Societies/Institutions

### **MUSC 2340. Divas, DJs, and Double Standards. (4 Hours)**

Examines the significance of gender to the experience of and access to participation in music making, listening, the music industries, and cultural recognition. Surveys how gender differences have been constructed, enacted, and contested in historical and contemporary musical cultures and develops critical lenses for analyzing musical representations of gender difference and their social impact. Considers how gender intersects with racial and sexual identities in music and its institutional structures. Uses case studies drawn from a variety of contexts, such as classical (Bizet's "Carmen"), popular (Beyoncé), film ("Star Wars"), and avant-garde (Yoko Ono).

**Prerequisite(s):** ENGW 1111 with a minimum grade of C or ENGW 1102 with a minimum grade of C or ENGL 1111 with a minimum grade of C or ENGL 1102 with a minimum grade of C

**Attribute(s):** NUpath Difference/Diversity, NUpath Societies/Institutions, NUpath Writing Intensive

**MUSC 2350. Acoustics and Psychoacoustics of Music. (4 Hours)**

Introduces students from a variety of disciplines to the fundamentals of sonic production, transmission, and reception. Topics include impedance, refraction and diffraction, wave mechanics, frequency spectrum, and resonance. Applies core concepts to the understanding of the acoustics of musical instruments and loudspeakers. Explores basic auditory psychophysics. Offers students an opportunity to investigate real-life applications in the domains of music, sonic art, sound design, instrumental design, and recording.

**Attribute(s):** NUpath Natural/Designed World

**MUSC 2351. Music, Sound, and the Screen. (4 Hours)**

Examines the function of music and sound design in contemporary visual media: how they are used in relation to images, and how they work with images to generate meaning and shape experience. Topics include film, television, video games, and the internet; and intermedial forms such as title sequences, trailers, music videos, and commercials.

**Attribute(s):** NUpath Creative Express/Innov, NUpath Interpreting Culture

**MUSC 2380. The World of Choral Music. (4 Hours)**

Presents the genre of choral music and its relevance and practical application in choral communities today. Studies a broad list of choral repertoires of both sacred and secular genres (including, but not limited to, Mass, Requiem Mass, cantatas, choral symphony, oratorios) from the Renaissance to the 21st century, as well as music influences derived from multiple cultures. Offers students an opportunity to learn music analysis and apply repertoire analysis in a practical manner of ensemble work. Students experience live performances of works studied, with performances by local choral ensembles, and discuss and reflect on modern-day performance practices/society.

**Attribute(s):** NUpath Creative Express/Innov, NUpath Interpreting Culture

**MUSC 2420. Music Composition Seminar 1. (4 Hours)**

Exposes students to the basic methods of music composition. Analyzes examples from music literature to gain an understanding of the methods employed; students



complete several compositions of their own.

**Prerequisite(s):** MUSC 1201 with a minimum grade of D-

**Attribute(s):** NUpath Creative Express/Innov, NUpath Interpreting Culture

**MUSC 2425. Arranging and Orchestration for Film, Media, and the Concert Stage. (4 Hours)**

Through the investigation of musical instrument attributes (timbre, range, etc.) and the study of repertoire, introduces the use of orchestral and rock instruments in original compositions and arrangements in Western styles for film, media, and the concert stage. Explores professional standards in notating music in the Western tradition. Delves into best practices in arranging and orchestration in voicing, voice-leading, reharmonization, balance, texture, basic counterpoint, etc. Explores arranging music, both as transcription and as the invention of formal elements like intros, outros, breaks. Explores a range of ensembles (orchestral, rock, jazz ensemble, a cappella, etc.), and styles of music (classical, rock, jazz, pop, musical theatre). Select student arrangements will be performed in class by musicians on the instruments being studied.

**Prerequisite(s):** MUSC 1201 with a minimum grade of C

**Attribute(s):** NUpath Creative Express/Innov

**MUSC 2600. Music for Your Health. (4 Hours)**

Explores interdisciplinary and transdisciplinary approaches to understanding and activating music's power to influence health and well-being. Offers students an opportunity to obtain the analytical tools required to understand, synthesize, and critique empirical research investigations; evaluate research design, models, and outcomes; and identify future research directions and applications of music-in-health research in music therapy, music medicine, psychology, neuroscience, public health, and medical ethnomusicology. At the population level, discusses music as a health promotion tool and social determinant of health and music access as a health equity issue. Emphasizes diverse approaches across disciplines and cultures to advance physiological, psychological, social, and spiritual health through music. Through self-experimentation and critical reflection, offers hands-on experience with multiple modes of investigation to develop personalized music-based resource toolkits to support well-being.

**Attribute(s):** NUpath Natural/Designed World

**MUSC 2973. Special Topics in Music. (4 Hours)**

Focuses on various topics related to music. May be repeated twice for a maximum of 12 semester hours.

**MUSC 2990. Elective. (1-4 Hours)**

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

**MUSC 2991. Research in Music. (1-4 Hours)**

Offers an opportunity to conduct introductory-level research or creative endeavors under faculty supervision.

**MUSC 3300. Music Perception and Cognition. (4 Hours)**

Offers an overview of the perceptual, cognitive, and brain bases of performing, composing, and listening to music for enjoyment and for human benefit. Topics include acoustics and biological processing of sound; theories and empirical research on pitch, rhythm, harmony, melody, timbre, orchestration; similarities and differences between music and language; evolution and development of musical ability; and special populations in musical functions. Includes laboratory demonstrations and exercises in experiment design and data analysis. Requires a final project (paper and in-class presentation). Offers students an opportunity to learn how to design and conduct their own research study in music perception and cognition.

**Attribute(s):** NUpath Analyzing/Using Data, NUpath Natural/Designed World

**MUSC 3353. Music and the Racial Imagination. (4 Hours)**

Addresses the history of the concept of race, taken as a cultural construct and a lived reality, long used to justify social, economic, and political inequality. Examines the relationship between musical sound and processes of racialization, addressing this relationship through a series of select historical and contemporary case studies, alongside grounding texts drawn from critical race studies, gender and sexuality studies, and ethnomusicology and popular music studies. Explores how the construction and everyday lived experience of race influenced music production,

performance, reception, and analysis and how categories of race have been represented and questioned through the sonic and embodied acts of performers.

**Prerequisite(s):** ENGW 1111 with a minimum grade of C or ENGW 1102 with a minimum grade of C

**Attribute(s):** NUpath Difference/Diversity, NUpath Societies/Institutions, NUpath Writing Intensive

### **MUSC 3354. Sound and the Sacred. (4 Hours)**

Considers the ways in which religious beliefs, ethics, meaning, and practices are embodied within music and what music contributes to faith identities in a variety of religio-cultural contexts, both present-day and historical. Music plays important roles in religious contexts: Among other things, it connects worshippers to spiritual realms; centers practitioners within continuous traditions; distinguishes between sacred and secular spaces (and places); enables communal cohesion; facilitates transcendent experiences; imbues everyday activities with religious intent; orients believers to ritual practices; and contributes to religious identities, both at the individual and at the collective (or congregational) levels. Approaches the study of music and religion as one that benefits from intense attentional investment, using detailed scholarly works to provide intricately nuanced perspectives.

**Prerequisite(s):** ENGL 1102 with a minimum grade of C or ENGL 1111 with a minimum grade of C or ENGW 1102 with a minimum grade of C or ENGW 1111 with a minimum grade of C or ENGW 1113 with a minimum grade of C or ENGW 1114 with a minimum grade of C

**Attribute(s):** NUpath Difference/Diversity, NUpath Interpreting Culture, NUpath Writing Intensive

### **MUSC 3355. Music, Noise, Silence. (4 Hours)**

Using an ethnomusicological focus, examines listening as a critical cultural practice. Combines analysis with practice-based explorations of listening to address sonic practices from around the globe in order to decolonize our assumptions about how we listen, what we listen for, and how we categorize, analyze, and assign value to the sounds we hear. Engages themes across and beyond ethno/musicology, popular music studies, music cognition, and sound studies, focusing on the social implications of listening in relation to (de)colonization, race, gender, (dis)ability, technology, environmental crisis, and human- animal interactions; and through activities including listening experiments, sound walks, and sonic art.

**Prerequisite(s):** ENGL 1102 with a minimum grade of C or ENGL 1111 with a minimum grade of C or ENGW 1111 with a minimum grade of C or ENGW 1102 with a minimum grade of C

**Attribute(s):** NUpath Difference/Diversity, NUpath Interpreting Culture, NUpath Writing Intensive

### **MUSC 3360. Ethnography and the Arts. (4 Hours)**

Considers what ethnography might teach us about creative industries, what it contributes to marketplace research and decision making, and how it informs creative practice. Ethnography uses participant/observation and other methods of collecting qualitative data to research specific social groups and their cultures. Asks for what purposes ethnographic methods are best suited and how ethnography might contribute to cross-cultural understanding, arts leadership, and creative practice. Covers what unique methodological issues ethnographic research in the arts might pose. Offers students an opportunity to develop and practice their own research skills, designing and conducting self-defined ethnographic research.

**Prerequisite(s):** ENGW 1111 with a minimum grade of C or ENGW 1110 with a minimum grade of C

**Attribute(s):** NUpath Analyzing/Using Data, NUpath Societies/Institutions, NUpath Writing Intensive

### **MUSC 3410. Recital 1. (1 Hour)**

Offers preparation for and performance of a minirecital (twenty to thirty minutes of music) under the guidance of the student's primary instrumental or vocal instructor. Minirecitals are usually shared by more than one student.

### **MUSC 3541. Music Analysis Seminar. (4 Hours)**

Exposes students to advanced methods of musical analysis. Focuses on techniques for analyzing large musical forms from the baroque period to the present day.

**Prerequisite(s):** MUSC 1202 with a minimum grade of C

### **MUSC 3973. Special Topics in Music. (4 Hours)**

Focuses on various topics related to music. May be repeated twice for a maximum of 12 semester hours.

**MUSC 3983. Special Topics in Music Analysis. (4 Hours)**

Focuses on advanced topics in theory and analysis. Topics vary with each offering. May be repeated twice for a maximum of 12 semester hours.

**MUSC 3990. Elective. (1-4 Hours)**

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

**MUSC 4510. Music and the Brain Research. (4 Hours)**

Offers an overview of the perceptual, cognitive, and neural bases of performing, composing, and listening to music. Topics include acoustics and biological processing of sound; theories and empirical research on pitch, rhythm, harmony, melody, timbre, orchestration; similarities and differences between music and language; evolution and development of musical ability; and special populations in musical functions. Meetings include laboratory demonstrations and exercises in experiment design and data analysis. Requires a final project (paper and in-class presentation).

**Prerequisite(s):** [MUSC 2350](#) with a minimum grade of C or [MUSC 3300](#) with a minimum grade of C or [PSYC 2320](#) with a minimum grade of C

**Attribute(s):** NUpath Analyzing/Using Data, NUpath Capstone Experience, NUpath Natural/Designed World

**MUSC 4622. Recital 2. (1 Hour)**

Offers preparation for and performance of a senior recital (40 to 60 minutes of music) under the guidance of the student's primary instrumental or vocal instructor.

**Prerequisite(s):** [MUSC 3410](#) with a minimum grade of C

**MUSC 4970. Junior/Senior Honors Project 1. (1-4 Hours)**

Focuses on in-depth project in which a student conducts research or produces a product related to the student's major field. Combined with Junior/Senior Project 2 or college-defined equivalent for 8-credit honors project. May be repeated without limit.

**MUSC 4990. Elective. (1-4 Hours)**

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

**MUSC 4992. Directed Study. (1-4 Hours)**

Focuses on independent work in a selected area of music under the direction of a member of the department. Enrollment is limited to qualified students by special arrangement with the supervising faculty member and with the approval of the department chair. May be repeated without limit.

**MUSC 4994. Internship. (4 Hours)**

Offers students an opportunity for internship work. May be repeated twice.

**Attribute(s):** NUpath Integration Experience

**MUSC 5973. Special Topics in Music. (3,4 Hours)**

Focuses on various topics related to music. May be repeated twice for a maximum of 12 total semester hours.

## Music Industry Courses

**MUSI 1204. Analyzing Popular Genres. (4 Hours)**

Examines the role and function of various musical elements by analyzing examples from popular music. Examines structure, lyrics, and instrumentation in popular music. Offers students an opportunity to further develop ear training and sight-singing skills.

**Prerequisite(s):** MUSC 1201 with a minimum grade of D- or MUSI 1203 with a minimum grade of C

**MUSI 1230. Introduction to Music Industry. (4 Hours)**

Examines business-related areas of the music industry. Topics include music publishing, copyright, the function of performing rights organizations (ASCAP and BMI), talent agents, artist management, concert promotion, and royalties and contracts.

**MUSI 1990. Elective. (1-4 Hours)**

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

**MUSI 2101. Demo Production for Songwriters. (4 Hours)**

Offers students an opportunity to learn the necessary techniques to utilize current Musical Instrument Digital Interface (MIDI) and audio technology in the production of professional-quality song demos, including intermediate to advanced skills and concepts of MIDI, synthesis, multitrack recording, mixing, and sound processing. Covers musical approaches to the effective assembly and arranging of sound materials using professional digital audio workstations (DAWs). Focuses on techniques to import and export both MIDI and audio data to greater facilitate collaboration within the virtual classroom as well as using external collaborators (across a variety of DAWs and platforms). Songwriting skills are also critiqued.

**Attribute(s):** NUpath Creative Express/Innov

**MUSI 2231. Music Licensing for Media. (4 Hours)**

Examines a variety of music usages in film, advertisements, TV shows, and other media types or venues that require music licensing. Offers students an opportunity to examine licenses and agreements in an effort to enable them to customize boilerplate forms to reflect accurately the needed licenses with any and all customized terms. Stresses teamwork, defining roles within a team, and assertiveness in an effort to enable students to function at their highest level for the demanding team-based final project. The final project stresses resourcefulness, meeting deadlines, creative excellence, along with open and sustained communication between the production side and the creative side.

**Prerequisite(s):** MUSI 1230 with a minimum grade of D-

**Attribute(s):** NUpath Creative Express/Innov

**MUSI 2232. Music Production and Recording 1. (4 Hours)**

Introduces the modern commercial and popular music production process including music creation, editing, arrangement, and mixing. Emphasizes core techniques in operating industry-standard music production software, critical listening for assessment purposes, and mixing and editing audio. No prior production experience

is required. Weekly practical assignments culminate in a final music production project, for which students may use their own creative work.

**MUSI 2234. Festivals. (4 Hours)**

Examines the multiple ways in which festivals affect musical life. Analyzes festivals both as music communities concentrated into limited temporal and geographic frames as well as social and cultural institutions situated within particular historical and cultural contexts. Studies what a festival does; what we can learn from the history of music festivals; how festivals have impacted social, cultural, economic, and aesthetic hierarchies; and what festival organizers consider when making artistic, financial, and administrative decisions. By the end of the semester, successful students should have a comprehensive understanding of both the business and the cultural contexts of music festivals, which they should be able to demonstrate through individual written, multimodal creative, and group assignments.

**Attribute(s):** NUpath Creative Express/Innov

**MUSI 2235. Copyright in the Creative Industries. (4 Hours)**

Explores the balance of interests at the heart of copyright law, including enhancing the public interest, supporting innovation, and protecting private property rights. Offers students an opportunity to gain an appreciation of the significance of copyright in the structure, operation, and customs of the creative industries. Focuses on the unique character of music-related copyright issues and addresses the music industries' outsized impact on the development of copyright policy in the United States.

**Attribute(s):** NUpath Societies/Institutions

**MUSI 2330. Performing Arts Administration. (4 Hours)**

Introduces music management including the structure of nonprofit organizations (such as arts service organizations, arts centers, symphony orchestras, chamber orchestras, ensembles, opera companies, and university arts programs) and the structure of for-profit enterprises. Examines financial management, funding, and audience development.

**MUSI 2331. Music Production and Recording 2. (4 Hours)**



Explores modern commercial and popular music production processes including workflows, production chronology, and microphone techniques. Emphasizes intermediate techniques in operating industry-standard music production software and critical listening for assessment purposes. Weekly practical assignments augment a course-long production project.

**Prerequisite(s):** [MUSI 2232](#) with a minimum grade of C

**Attribute(s):** NUpath Creative Express/Innov

### **MUSI 2332. Music Publishing and Royalties. (4 Hours)**

Focuses on music publishing, which plays a pivotal role in the music industry. Not only does this field generate billions of dollars worldwide in revenue, but it has become an essential part of the recording, live performance, and merchandising sectors of the music industry. Examines the concepts and current issues of music publishing as it pertains to recording, film, television, print, and other media. Topics include licensing, royalty collection, and the art of negotiating music copyrights.

**Prerequisite(s):** [MUSI 1230](#) with a minimum grade of C

### **MUSI 2341. Music Supervision 1. (4 Hours)**

Covers the field of music supervision, which has become an in-demand field due to the increased use of songs in TV shows, films, live events, advertisements, websites, and other forums. Discusses the whole process, from choosing the perfect song/lyric to strategies for securing licensing with artists and publishers. Offers students a hands-on opportunity to make music selections fit a variety of media and also to structure licensing/contract deals for composers, publishers, and record companies. Final project involves networking with Green Line Records and external rights holders to license and place music into a series of scenes and advertisements.

**Prerequisite(s):** [MUSI 1230](#) with a minimum grade of C

**Attribute(s):** NUpath Creative Express/Innov

### **MUSI 2973. Special Topics in Music Industry. (1-4 Hours)**

Focuses on various topics related to the music industry. May be repeated twice for up to 12 total semester hours.

**Prerequisite(s):** [MUSI 1230](#) with a minimum grade of C

### **MUSI 2990. Elective. (1-4 Hours)**

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

**MUSI 2991. Research in Music Industry. (1-4 Hours)**

Offers an opportunity to conduct introductory-level research or creative endeavors under faculty supervision.

**MUSI 3210. Music Tourism. (4 Hours)**

Considers how stakeholders in a variety of roles (government, NGO, private industry, local communities, etc.) balance the interests of music tourism. Addressing the socioeconomic incentives and broader cultural and environmental impacts, discusses specific examples of local and regional organizations that promote music festivals, concerts, nightlife, and heritage events as tourist destinations. Introduces public policy recommendations as key interventions regarding the opportunities and costs of sustainable, community-engaged music tourism.

**Prerequisite(s):** [MUSC 1001](#) with a minimum grade of C

**Attribute(s):** NUpath Difference/Diversity, NUpath Interpreting Culture

**MUSI 3332. Artist Management. (4 Hours)**

Provides an in-depth investigation of the field of musical artist management. Explores the artist-manager relationship, the management contract, artist evaluation, image formulation, the artist's development team, achieving a recording contract, merchandising, endorsements, sponsorships, touring, and financial management.

**Prerequisite(s):** [MUSI 1230](#) with a minimum grade of C

**MUSI 3333. The Record Industry. (4 Hours)**

Examines the domestic and international record industry. Topics include industry structure, business and legal affairs, the recording contract, royalties, manufacturing, distribution, promotion, publicity, advertising, licensing, and piracy. Offers students the opportunity to explore major record labels and independent labels. Addresses the past, present, and future.

**Prerequisite(s):** [MUSI 1230](#) with a minimum grade of C

**Attribute(s):** NUpath Creative Express/Innov

**MUSI 3338. Music Industry Marketing and Promotion. (4 Hours)**

Provides a thorough examination of the principles and applications of marketing and promotion within the music industry. Students explore how music companies successfully conduct product, pricing, distribution, and communication management. Approaches music marketing issues using readings, specific music marketing case studies, lectures, guest speakers, and projects.

**Prerequisite(s):** [MUSI 1230](#) with a minimum grade of C

**MUSI 3340. Concert Promotion and Venue Management. (4 Hours)**

Provides an in-depth exploration of the principles and practices of concert promotion and venue management. Focuses on areas such as concert promotion, venue advertising, talent buying, contractual requirements, insurance, government regulation, American Society of Composers, Authors, and Publishers (ASCAP)/BMI licenses, personnel management, and concert production and administration.

**Prerequisite(s):** [MUSI 1230](#) with a minimum grade of C

**Attribute(s):** NUpath Analyzing/Using Data, NUpath Creative Express/Innov

**MUSI 3341. Music Production and Recording 3. (4 Hours)**

Focuses on the final stages of the modern commercial and popular music production process: mixing and mastering. Emphasizes advanced techniques in operating industry-standard music production software and advanced critical listening for making decisions about levels, equalization, dynamics, time-based effects, and spatial positioning when mixing and mastering. Weekly practical assignments in listening and analysis are designed to augment hands-on practice using both students' current productions and current professional music productions.

**Prerequisite(s):** [MUSI 2331](#) with a minimum grade of D-

**Attribute(s):** NUpath Creative Express/Innov

**MUSI 3351. Music and Social Justice. (4 Hours)**

Introduces theories of ethics, morality, and equality and strategies to advance social justice—to ensure equality and human dignity for all people—through music. Explores the music industry as both a microcosm of society and amplifier of our collective ethics. On stage, on the record, and through direct action, musicians worldwide use their art and renown to serve social movements. Many also face

equality and equity challenges within the music industry. As future professionals, students may either challenge or reinforce the injustices they encounter in their professional and personal lives. Through critical discourse on professional ethics in the music business and service-learning projects requiring direct community engagement, seeks to empower students to make a lifelong commitment to ethical decision making and advancing social justice.

**Attribute(s):** NUpath Difference/Diversity, NUpath Ethical Reasoning

### **MUSI 3360. Global Music Industries in Context. (4 Hours)**

Offers students an opportunity to obtain the cultural curiosity and adaptive dexterity needed to analyze diverse global music industries in their historical, cultural, economic, and political contexts. Through the labels, scenes, and digital spaces that form the professional settings for today's global music professionals—explored in course readings, creative case studies, and summative research projects—identifies the many ways in which diverse industries consolidate music production, distribution, and consumption. Students encounter and analyze diverse professional practices and creative products and critique music's value—financial, social, political, ideological, and personal. In addition, students practice critical reading and observation and identify traditions within the social sciences and cultural criticism that provide valuable theoretical lenses for the interpretation of global music industries in context.

**Prerequisite(s):** [MUSI 1230](#) with a minimum grade of C

**Attribute(s):** NUpath Difference/Diversity, NUpath Societies/Institutions, NUpath Writing Intensive

### **MUSI 3401. Hip Hop in the Music Industry. (4 Hours)**

Focuses on black popular music as art, activism, and commodity from the post-Civil Rights era to today. Studies the immediate musical, historical, cultural, and industry-based precedents for rap music, which emerged in opposition to the music industry—and many other institutions that perpetuated the inequalities against which early hip-hop artists were protesting. The contemporary moment provides a unique opportunity for refocusing on the origins of hip-hop and black protest music as they relate to the industry's embrace and commodification of certain aspects of hip-hop culture. Explores the dynamic tensions between rap music as aesthetic object, countercultural expression, social commentary, and industry commodity, engaging with current expressions of all of these in the Boston area.

**Prerequisite(s):** [ENGW 1111](#) with a minimum grade of D-

**MUSI 3973. Special Topics in Music Industry. (4 Hours)**

Focuses on various topics related to the music industry. May be repeated twice for up to 12 semester hours.

**MUSI 3990. Elective. (1-4 Hours)**

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

**MUSI 4530. Music Entrepreneurship. (4 Hours)**

Designed to provide students with the knowledge, skills, and abilities necessary to plan, finance, develop, and operate a new music venture. Topics include attributes of music entrepreneurs and entrepreneurial careers, evaluating opportunities, writing business plans, financing the venture, and long-term management and planning.

**Prerequisite(s):** [MUSI 1230](#) with a minimum grade of C ; ([ACCT 1201](#) with a minimum grade of D- or [ACCT 1209](#) with a minimum grade of D- ); [ECON 1116](#) with a minimum grade of D-

**MUSI 4601. Seminar in Music Industry. (4 Hours)**

Presents a capstone course for music industry students. Offers advanced students the opportunity to explore contemporary events and issues in the music industry. Allows students to reflect upon, distill, and apply knowledge accumulated in prior courses and previous experiential learning. This reflection and application occurs through substantial writing assignments and classroom discussion. Fulfills the college's experiential education requirement for music industry majors.

**Prerequisite(s):** [MUSI 1230](#) with a minimum grade of C

**Attribute(s):** NUpath Capstone Experience, NUpath Societies/Institutions, NUpath Writing Intensive

**MUSI 4990. Elective. (1-4 Hours)**

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

**MUSI 4992. Directed Study. (1-4 Hours)**

Focuses on independent work in a selected area of music under the direction of a member of the department. Enrollment is limited to qualified students by special arrangement with the supervising faculty member and with the approval of the department chair. May be repeated without limit.

**MUSI 4994. Internship. (4 Hours)**

Offers students an opportunity for internship work. May be repeated twice.

**Attribute(s):** NUpath Integration Experience

**MUSI 5220. The Independent Performing Songwriter: Creation, Commerce, and Well-Being. (4 Hours)**

Explores the evolving terrain of the independent music industry for songwriters who write, perform, and release music independently. Examines songwriting, production, performance, and how to navigate the digital music landscape effectively. Covers the business side of music including rights, royalties, and branding strategies. Studies best practices to manage one's own career. Emphasizes the artist's well-being, exploring mindfulness, time management, and resilience to maintain a sustainable and fulfilling career. Offers students an opportunity to enhance artistic skills and obtain a holistic understanding of the music industry.

**Attribute(s):** NUpath Creative Express/Innov

**MUSI 5330. Actionable Analytics in the Music Industries. (4 Hours)**

Covers the analytical frameworks and tools to obtain, evaluate, analyze, interpret, and visualize data from the music industries. Explores the metrics most often used in Artists and Repertoire, concert booking and promotion, streaming music and video, paid and organic social media, music publishing, brand partnerships, and the independent artist journey. Addresses data analysis tools and data aggregation platforms, whose capabilities enable the creation of visualizations and data-informed narratives that support decision-making processes to achieve specific artist, professional, and organizational objectives and outcomes.

**Attribute(s):** NUpath Analyzing/Using Data

**MUSI 5973. Special Topics in Music Industry. (3,4 Hours)**

Focuses on various topics related to the music industry. May be repeated up to two times for up to 12 total credits.

## Music Technology Courses

### **MUST 1220. Introduction to Music Technology. (4 Hours)**

Provides students with instruction in the use of a computer for composing original music. Topics include MIDI sequencing, digital audio processing, and sound synthesis. Students use music hardware and software to complete a variety of projects.

**Attribute(s):** NUpath Analyzing/Using Data

### **MUST 1990. Elective. (1-4 Hours)**

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

### **MUST 2102. Composing with Digital Technologies. (4 Hours)**

Offers students an opportunity to create compositions using a digital audio workstation (DAW) as the principal tool. Standard Western music notation may be used in examples of certain techniques but will not be necessary for the creation of work in the course. Explores various composition topics such as periodicity, form, texture, timbre, and contour in the digital domain. Consists of a number of short composition and listening assignments culminating in the creation of compositions of moderate duration.

**Prerequisite(s):** MUST 1220 with a minimum grade of D-

**Attribute(s):** NUpath Creative Express/Innov

### **MUST 2320. Sound Design. (4 Hours)**

Instructs students in the art of producing and designing musical accompaniments for a variety of media including film, TV commercials, industrial video, animation, games, theatre, and radio drama. Focuses on abstract thinking regarding sound theory and practice and includes hands-on skills. Restricted to music majors and combined majors; all other students require permission of instructor.

**Attribute(s):** NUpath Creative Express/Innov

**MUST 2431. Computer Music Fundamentals. (4 Hours)**

Focuses on the creation and implementation of standard time-domain audio synthesis routines and effects, as well as standard frequency-domain processing routines. MaxMSP is the principal programming environment used in the course. Begins with programming protocols, as well as data structures and storage, and list processing in the MaxMSP environment before moving on to standard synthesis and audio processing routines. Examines how the techniques learned in the course can be applied using a variety of synthesis and spectral processing software applications that are standard in the field.

**Prerequisite(s):** MUST 1220 with a minimum grade of D-

**Attribute(s):** NUpath Analyzing/Using Data, NUpath Formal/Quant Reasoning

**MUST 2990. Elective. (1-4 Hours)**

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

**MUST 3300. Musical Interactions in Extended Reality. (4 Hours)**

Explores the immersive world of extended reality—a general term that includes augmented reality, virtual reality, and mixed reality—with a specialized focus on musical interactions. Offers students an opportunity to gain the skills and knowledge to leverage XR software and hardware for the design of interactive musical applications. Introduces scripting, sensing, and interaction paradigms tailored for XR, with a unique lens on the integration of musical elements including sampling, real-time synthesis and processing, 3D/spatialized audio, as well as musical performance.

**Prerequisite(s):** MUST 2431 with a minimum grade of D-

**Attribute(s):** NUpath Formal/Quant Reasoning, NUpath Natural/Designed World

**MUST 3601. Digital Audio Signal Processing. (4 Hours)**

Introduces students to digital signal processing as it relates to offline or non-real-time audio processing. Covers fundamental engineering concepts and mathematics. Examines implementation details of common digital audio processing routines using the C programming language, the industry standard for audio software engineering.



**Prerequisite(s):** MUST 2431 with a minimum grade of C

**Attribute(s):** NUpath Analyzing/Using Data, NUpath Formal/Quant Reasoning

**MUST 3602. Electronics for Music. (4 Hours)**

Introduces analog electronics in the context of audio synthesis and control. Topics include the basics of electronics and analog audio signals; passive components, transistors, operational amplifiers, and sensors; analog audio synthesis, filters, amplification, and modulation; and the basics of hacking and circuit bending. In-class activities center on designing, building, analyzing, and testing sound-emitting circuits.

**Prerequisite(s):** MUST 2431 with a minimum grade of C

**Attribute(s):** NUpath Creative Express/Innov, NUpath Natural/Designed World

**MUST 3603. Embedded Audio Programming. (4 Hours)**

Explores embedded computers and their employment for the design of interactive audio applications. Studies how to program audio applications that take advantage of the unique features of these systems, which is accomplished by transferring the coding skills acquired on general-purpose computers to the languages and the programming rationales of embedded hardware. Primarily covers low-latency, real-time audio synthesis/processing, but also offers an in-depth introduction to physical computing, sensors, and simple electronics. Offers students an opportunity to gain experience with the full design-development-test cycle of software and hardware interactive audio technologies through a final project.

**Prerequisite(s):** MUST 2431 with a minimum grade of C

**Attribute(s):** NUpath Creative Express/Innov, NUpath Natural/Designed World

**MUST 3973. Special Topics in Music Technology. (1-4 Hours)**

Focuses on topics related to current trends in the area of music technology. Topics vary with each offering. May be repeated up to two times for up to 12 total credits.

**Prerequisite(s):** MUST 1220 with a minimum grade of C

**MUST 3990. Elective. (1-4 Hours)**

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

**MUST 4610. Composition for Electronic Instruments. (4 Hours)**

Instructs students in the composition of original music for electronic and computer-based instrumentation. Students create music to accompany video, animation, and film, and study suitable methods for creating original music for the Internet. Also surveys examples of music written for similar contexts.

**Prerequisite(s):** [MUST 2431](#) with a minimum grade of D-

**Attribute(s):** NUpath Creative Express/Innov, NUpath Interpreting Culture

**MUST 4611. Music Technology Capstone. (4 Hours)**

Guides students in the research, preparation, and presentation of their own work in music technology. Projects may include music compositions, multimedia pieces, novel software or hardware tools for composition/performance, interactive sound installations, or other projects that bridge students' cumulative educational careers with future professional pathways. Offers students an opportunity to present their work to a public audience in an on-campus interdisciplinary event at the end of the semester.

**Prerequisite(s):** [MUSC 4510](#) with a minimum grade of C or [MUST 3300](#) with a minimum grade of C or [MUST 3601](#) with a minimum grade of C or [MUST 3602](#) with a minimum grade of C or [MUST 3603](#) with a minimum grade of C or [MUST 3973](#) with a minimum grade of C or [MUST 4610](#) with a minimum grade of C or [MUST 5973](#) with a minimum grade of C

**Attribute(s):** NUpath Capstone Experience, NUpath Writing Intensive

**MUST 4990. Elective. (1-4 Hours)**

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

**MUST 4994. Internship. (4 Hours)**

Offers students an opportunity for internship work. May be repeated twice.

**Attribute(s):** NUpath Integration Experience

**MUST 5973. Special Topics in Music Technology. (3,4 Hours)**

Focuses on various topics related to music technology. May be repeated up to two times for up to 12 total credits.

