MUSIC (MUSI)

MUSI 1008. Marching Band. 2 Credit Hours.
The Georgia Tech Marching Yellow Jackets perform at all home and
some away football games. Students are expected to attend a pre-season
camp. All conflicts must be approved by director.

MUSI 1009. Pep Band. 1 Credit Hour.
Performance ensemble for men's and women's basketball games.

MUSI 1102. Concert Band. 1 Credit Hour.
An instrumental ensemble that performs traditional and contemporary
wind literature and is offered to all students with wind, brass, or
percussion experience.

MUSI 1103. Concert Band. 1 Credit Hour.
An instrumental ensemble that performs traditional and contemporary
wind literature and is offered to all students with wind, brass, or
percussion experience.

MUSI 1112. Symphonic Band. 1 Credit Hour.
Audition required prior to the first day of class. An auditioned
instrumental ensemble for the more accomplished student interested in
band performance; focusing on musical excellence of challenging band
literature. Contact director for audition requirements.

MUSI 1113. Symphonic Band. 1 Credit Hour.
Audition required prior to the first day of class. An auditioned
instrumental ensemble for the more accomplished student interested in
band performance; focusing on musical excellence of challenging band
literature. Contact director for audition requirements.

MUSI 1114. Marching Band. 1 Credit Hour.
Audition required prior to the first day of class. An auditioned
instrumental ensemble for the more accomplished student interested in
band performance; focusing on musical excellence of challenging band
literature. Contact director for audition requirements.

MUSI 1201. Chorale--Mixed Singing Group. 1 Credit Hour.
A large ensemble focused on rehearsal and performance of high quality
music of all genres. Choral music experience recommended.

MUSI 1202. Chorale--Mixed Singing Group. 1 Credit Hour.
A large ensemble focused on rehearsal and performance of high quality
music of all genres. Choral music experience recommended.

MUSI 1203. Chorale--Mixed Singing Group. 1 Credit Hour.
A large ensemble focused on rehearsal and performance of high quality
music of all genres. Choral music experience recommended.

MUSI 1211. Vocal Ensemble. 1 Credit Hour.
An auditioned vocal ensemble for the more serious student of vocal music; focuses on rehearsal and performance of high-quality music of all genres. Audition and/or consent of instructor required.

MUSI 1212. Vocal Ensemble. 1 Credit Hour.
Audition and/or consent of instructor required. An auditioned vocal ensemble for the more serious student of vocal music; focused on rehearsal and performance of high-quality music of all genres.

MUSI 1213. Vocal Ensemble. 1 Credit Hour.
Audition and/or consent of instructor required. An auditioned vocal ensemble for the more serious student of vocal music; focused on rehearsal and performance of high-quality music of all genres.

MUSI 1221. Men's Glee Club. 1 Credit Hour.
An all-male choral ensemble focused on rehearsal and performance of male chorus literature.

MUSI 1222. Men's Glee Club. 1 Credit Hour.
An all-male choral ensemble focused on rehearsal and performance of male chorus literature.

MUSI 1223. Men's Glee Club. 1 Credit Hour.
An all-male choral ensemble focused on rehearsal and performance of male chorus literature.

MUSI 1301. Jazz Ensemble. 1 Credit Hour.
A traditional twenty member big band and small ensemble specializing in improvisation. Members learn various jazz styles, performance practices, and history.

MUSI 1302. Jazz Ensemble. 1 Credit Hour.
A traditional twenty member big band and small ensemble specializing in improvisation. Members learn various jazz styles, performance practices, and history.

MUSI 1303. Jazz Ensemble. 1 Credit Hour.
A traditional twenty member big band and small ensemble specializing in improvisation. Members learn various jazz styles, performance practices, and history.

MUSI 1401. Chamber Ensemble. 1 Credit Hour.
Small instrumental ensembles of various types selected by the director to perform literature for the specific ensemble.

MUSI 1402. Chamber Ensemble. 1 Credit Hour.
Small instrumental ensembles of various types selected by the director to perform literature for the specific ensemble.

MUSI 1403. Chamber Ensemble. 1 Credit Hour.
Small instrumental ensembles of various types selected by the director to perform literature for the specific ensemble.

MUSI 1501. Percussion Ensemble. 1 Credit Hour.
Percussion ensemble focuses on traditional and contemporary ensemble literature as well as transcriptions of popular music.

MUSI 1502. Percussion Ensemble. 1 Credit Hour.
Percussion ensemble focuses on traditional and contemporary ensemble literature as well as transcriptions of popular music.

MUSI 1503. Percussion Ensemble. 1 Credit Hour.
Percussion ensemble focuses on traditional and contemporary ensemble literature as well as transcriptions of popular music.

MUSI 1601. University Orchestra. 1 Credit Hour.
The Georgia Tech Orchestra maintains a full complement of woodwinds, brass, percussion, and strings and performs classical through contemporary literature. Contact director prior to the first day of class to arrange an audition.

MUSI 1602. University Orchestra. 1 Credit Hour.
The Georgia Tech Orchestra maintains a full complement of woodwinds, brass, percussion, and strings and performs classical through contemporary literature. Contact director prior to the first day of class to arrange an audition.

MUSI 1603. University Orchestra. 1 Credit Hour.
The Georgia Tech Orchestra maintains a full complement of woodwinds, brass, percussion, and strings and performs classical through contemporary literature. Contact director prior to the first day of class to arrange an audition.

MUSI 2008. Marching Band. 2 Credit Hours.
The Georgia Tech Marching Yellow Jackets perform at all home and some away football games. Students are expected to attend a pre-season camp. All conflicts must be approved by director.
MUSI 2009. Pep Band. 1 Credit Hour.
Performance ensemble for men's and women's basketball games.

MUSI 2010. Fundamentals of Musicianship I. 3 Credit Hours.
First semester of integrated sequence in music theory, aural training, music technology, and music literature.

MUSI 2011. Fundamentals of Musicianship II. 3 Credit Hours.
Second semester of integrated sequence in music theory, aural training, music technology, and music literature.

MUSI 2012. Fundamentals of Musicianship III. 3 Credit Hours.
The third semester of integrated sequence in music theory, aural training, music technology, and music literature; focused on advanced theory, history, and technology topics.

MUSI 2013. Fundamentals of Musicianship IV. 3 Credit Hours.
The fourth semester of integrated sequence in music theory, aural training, music technology, and music literature; focused on comprehensive and innovative music discussions.

MUSI 2015. Laptop Orchestra. 3 Credit Hours.
Analysis, rehearsal, creation, and performance of music for laptop orchestra.

MUSI 2102. Concert Band. 1 Credit Hour.
An instrumental ensemble that performs traditional and contemporary wind literature and is offered to all students with wind, brass, or percussion experience.

MUSI 2103. Concert Band. 1 Credit Hour.
An instrumental ensemble that performs traditional and contemporary wind literature and is offered to all students with wind, brass, or percussion experience.

MUSI 2112. Symphonic Band. 1 Credit Hour.
Audition required prior to the first day of class. An auditioned instrumental ensemble for the more accomplished student interested in band performance; focusing on musical excellence of challenging band literature. Contact director for audition requirements.

MUSI 2113. Symphonic Band. 1 Credit Hour.
Audition prior to the first day of class. An auditioned instrumental ensemble for the more accomplished student interested in band performance; focusing on musical excellence of challenging band literature. Contact director for audition requirements.

MUSI 2201. Chorale--Mixed Singing Group. 1 Credit Hour.
A large ensemble focused on rehearsal and performance of high-quality music of all genres. Choral music experience recommended.

MUSI 2202. Chorale--Mixed Singing Group. 1 Credit Hour.
Prerequisite: Choral music experience recommended. A large ensemble focused on rehearsal and performance of high-quality music of all genres.

MUSI 2203. Chorale--Mixed Singing Group. 1 Credit Hour.
Prerequisite: Choral music experience recommended. A large ensemble focused on rehearsal and performance of high-quality music of all genres.

MUSI 2211. Vocal Ensemble. 1 Credit Hour.
An auditioned vocal ensemble for the more serious student of vocal music; focuses on rehearsal and performance of high-quality music of all genres. Audition and/or consent of instructor required.

MUSI 2212. Vocal Ensemble. 1 Credit Hour.
Prerequisite: Audition and/or consent of instructor. An auditioned vocal ensemble for the more serious student of vocal music; focused on rehearsal and performance of high-quality music of all genres.

MUSI 2213. Vocal Ensemble. 1 Credit Hour.
Audition and/or consent of instructor required. An auditioned vocal ensemble for the more serious student of vocal music; focused on rehearsal and performance of high-quality music of all genres.

MUSI 2221. Men's Glee Club. 1 Credit Hour.
An all-male choral ensemble focused on rehearsal and performance of male chorus literature.

MUSI 2222. Men's Glee Club. 1 Credit Hour.
An all-male choral ensemble focused on rehearsal and performance of male chorus literature.

MUSI 2223. Men's Glee Club. 1 Credit Hour.
An all-male choral ensemble focused on rehearsal and performance of male chorus literature.

MUSI 2301. Jazz Ensemble. 1 Credit Hour.
A traditional twenty member big band and small ensemble specializing in improvisation. Members learn various jazz styles, performance practices, and history.

MUSI 2302. Jazz Ensemble. 1 Credit Hour.
A traditional twenty member big band and small ensemble specializing in improvisation. Members learn various jazz styles, performance practices, and history.

MUSI 2303. Jazz Ensemble. 1 Credit Hour.
A traditional twenty member big band and small ensemble specializing in improvisation. Members learn various jazz styles, performance practices, and history.

MUSI 2401. Chamber Ensemble. 1 Credit Hour.
Small instrumental ensembles of various types selected by the director to perform literature for the specific ensemble.

MUSI 2402. Chamber Ensemble. 1 Credit Hour.
Small instrumental ensembles of various types selected by the director to perform literature for the specific ensemble.

MUSI 2403. Chamber Ensemble. 1 Credit Hour.
Small instrumental ensembles of various types selected by the director to perform literature for the specific ensemble.

MUSI 2501. Percussion Ensemble. 1 Credit Hour.
Percussion ensemble focuses on traditional and contemporary ensemble literature as well as transcriptions of popular music.

MUSI 2502. Percussion Ensemble. 1 Credit Hour.
Percussion ensemble focuses on traditional and contemporary ensemble literature as well as transcriptions of popular music.

MUSI 2503. Percussion Ensemble. 1 Credit Hour.
Percussion ensemble focuses on traditional and contemporary ensemble literature as well as transcriptions of popular music.

MUSI 2521. Electronic Percussion Studio/Ensemble. 3 Credit Hours.
Applied design construction and programming for performance.

MUSI 2522. Electronic Percussion Studio/Ensemble. 3 Credit Hours.
Applied design construction and programming for performance.

MUSI 2525. Introduction Audio Technology I. 3 Credit Hours.
Critical understanding of, and hands-on experience with the fundamentals of analog audio technology. Topics include signals and systems, electro-acoustics, sound effects, synthesis and music protocols.

MUSI 2526. Introduction to Audio Technology II. 3 Credit Hours.
Critical understanding of, and hands-on experience with the fundamentals of digital audio technology. Topics include sampling, quantization, digital effects, music information retrieval and audio coding.
MUSI 2600. Music Theory I. 2 Credit Hours.
Fundamentals of music language to include basic notation, scales, key, signatures, and triads. Ability to read music required.

MUSI 2601. University Orchestra. 1 Credit Hour.
The Georgia Tech Orchestra maintains a full complement of woodwinds, brass, percussion, and strings and performs classical through contemporary literature. Contact director prior to the first day of class to arrange audition.

MUSI 2602. University Orchestra. 1 Credit Hour.
The Georgia Tech Orchestra maintains a full complement of woodwinds, brass, percussion, and strings and performs classical through contemporary literature. Contact director prior to the first day of class to arrange audition.

MUSI 2603. University Orchestra. 1 Credit Hour.
The Georgia Tech Orchestra maintains a full complement of woodwinds, brass, percussion, and strings and performs classical through contemporary literature. Contact director prior to the first day of class to arrange audition.

MUSI 2698. Undergraduate Research Assistantship. 1-12 Credit Hours.
Independent research conducted under the guidance of a faculty member.

MUSI 2699. Undergraduate Research. 1-12 Credit Hours.
Independent research conducted under the guidance of a faculty member.

MUSI 3008. Marching Band. 2 Credit Hours.
The Georgia Tech Marching Yellow Jackets perform at all home and some away football games. Students are expected to attend a pre-season camp. All conflicts must be approved by director.

MUSI 3009. Pep Band. 1 Credit Hour.
Performance ensemble for men's and women's basketball games.

MUSI 3018. Marching Band. 2 Credit Hours.
This course will prepare various traditional and contemporary music for scheduled performances throughout the semester in support of various athletic events and School of Music concerts.

MUSI 3019. Pep Band. 1 Credit Hour.
This course will prepare a variety of traditional and contemporary music for scheduled performances throughout the semester in support of various athletic events and School of Music concerts.

MUSI 3102. Concert Band. 1 Credit Hour.
An instrumental ensemble that performs traditional and contemporary wind literature and is offered to all students with wind, brass, or percussion experience.

MUSI 3103. Concert Band. 1 Credit Hour.
An instrumental ensemble that performs traditional and contemporary wind literature and is offered to all students with wind, brass, or percussion experience.

MUSI 3112. Symphonic Band. 1 Credit Hour.
Audition required prior to the first day of class. An auditioned instrumental ensemble for the more accomplished student interested in band performance; focusing on musical excellence of challenging band literature. Contact director for audition requirements.

MUSI 3113. Symphonic Band. 1 Credit Hour.
Prerequisite: Audition prior to the first day of class. An auditioned instrumental ensemble for the more accomplished student interested in band performance; focusing on musical excellence of challenging band literature. Contact director for audition requirements.

MUSI 3121. Concert Band. 1 Credit Hour.
An advanced instrumental ensemble performing traditional and contemporary wind literature. Offered to all students with wind, brass, or percussion experience. Audition required.

MUSI 3131. Symphonic Band. 1 Credit Hour.
An advanced instrumental ensemble performing traditional and contemporary wind literature. Offered to all students with wind, brass, or percussion experience. Audition required.

MUSI 3201. Chorale--Mixed Singing Group. 1 Credit Hour.
A large ensemble focused on rehearsal and performance of high-quality music of all genres. Choral music experience recommended.

MUSI 3202. Chorale--Mixed Singing Group. 1 Credit Hour.
Prerequisite: Choral music experience recommended. A large ensemble focused on rehearsal and performance of high-quality music of all genres.

MUSI 3203. Chorale--Mixed Singing Group. 1 Credit Hour.
Prerequisite: Choral music experience recommended. A large ensemble focused on rehearsal and performance of high-quality music of all genres.

MUSI 3211. Vocal Ensemble. 1 Credit Hour.
An auditioned vocal ensemble of the more serious student of vocal music; focuses on rehearsal and performance of high-quality music of all genres. Audition and/or consent of instructor required.

MUSI 3212. Vocal Ensemble. 1 Credit Hour.
Prerequisite: Audition and/or consent of instructor. An auditioned vocal ensemble for the more serious student of vocal music; focused on rehearsal and performance of high-quality music of all genres.

MUSI 3213. Vocal Ensemble. 1 Credit Hour.
Prerequisite: Audition and/or consent of instructor. An auditioned vocal ensemble for the more serious student of vocal music; focused on rehearsal and performance of high-quality music of all genres.

MUSI 3221. Men's Glee Club. 1 Credit Hour.
An all-male choral ensemble focused on rehearsal and performance of male chorus literature.

MUSI 3222. Men's Glee Club. 1 Credit Hour.
An all-male choral ensemble focused on rehearsal and performance of male chorus literature.

MUSI 3223. Men's Glee Club. 1 Credit Hour.
An all-male choral ensemble focused on rehearsal and performance of male chorus literature.

MUSI 3231. Chamber Choir. 1 Credit Hour.
An auditioned mixed ensemble focused upon the rehearsal, study and performance of choral music. Repertoire varies from various style eras and genres.

MUSI 3241. Chorale. 1 Credit Hour.
A non-auditioned mixed ensemble focused upon the rehearsal, study and performance of choral music. Repertoire varies from various style eras and genres.

MUSI 3251. Glee Club. 1 Credit Hour.
A non-auditioned mixed ensemble focused upon the rehearsal, study and performance of choral music. Repertoire varies from various style eras and genres.

MUSI 3261. Women's Choir. 1 Credit Hour.
A non-auditioned TREBLE ensemble focused upon the rehearsal, study and performance of choral music. Repertoire varies from various style eras and genres.
MUSI 3301. Jazz Ensemble. 1 Credit Hour.
A traditional twenty member big band and small ensemble specializing in
improvisation. Members learn various jazz styles, performance practices,
and history.

MUSI 3302. Jazz Ensemble. 1 Credit Hour.
A traditional twenty member big band and small ensemble specializing in
improvisation. Members learn various jazz styles, performance practices,
and history.

MUSI 3303. Jazz Ensemble. 1 Credit Hour.
A traditional twenty member big band and small ensemble specializing in
improvisation. Members learn various jazz styles, performance practices,
and history.

MUSI 3311. Jazz Ensemble. 1 Credit Hour.
Jazz Ensemble explores music from the 1920's to the present, focusing
on ensemble playing and improvisation.

MUSI 3321. Jazz Combo. 1 Credit Hour.
Jazz Combos explore small group jazz focusing on ensemble playing and
improvisation.

MUSI 3401. Chamber Ensemble. 1 Credit Hour.
Small instrumental ensembles of various types selected by the director to
perform literature for the specific ensemble.

MUSI 3402. Chamber Ensemble. 1 Credit Hour.
Small instrumental ensembles of various types selected by the director to
perform literature for the specific ensemble.

MUSI 3403. Chamber Ensemble. 1 Credit Hour.
Small instrumental ensembles of various types selected by the director to
perform literature for the specific ensemble.

MUSI 3411. Chamber Ensemble. 1 Credit Hour.
An advanced ensemble performing traditional and contemporary
chamber ensemble literature. Audition and permit required.

MUSI 3450. Survey of Music Technology. 3 Credit Hours.
A detailed survey of historic and contemporary electronic music systems
and their applications in the creation, production, and reproduction of
music.

MUSI 3500. Introduction of Synthesized Computer Music. 2 Credit Hours.
Introduction of synthesized computer music familiarizes the student with
basic sequencing and music engraving using fundamentals of music
theory and composition.

MUSI 3501. Percussion Ensemble. 1 Credit Hour.
Percussion ensemble focuses on traditional and contemporary ensemble
literature as well as transcriptions of popular music.

MUSI 3502. Percussion Ensemble. 1 Credit Hour.
Percussion ensemble focuses on traditional and contemporary ensemble
literature as well as transcriptions of popular music.

MUSI 3503. Percussion Ensemble. 1 Credit Hour.
Percussion ensemble focuses on traditional and contemporary ensemble
literature as well as transcriptions of popular music.

MUSI 3511. Percussion Ensemble. 1 Credit Hour.
An advanced instrumental ensemble performing traditional and
contemporary percussion literature. Offered to all students with
percussion experience. Audition required.

MUSI 3521. Electronic Percussion Studio/Ensemble. 3 Credit Hours.
Applied design construction and programming for performance.

MUSI 3522. Electronic Percussion Studio/Ensemble. 3 Credit Hours.
Applied design construction and programming for performance.

MUSI 3531. New Music Ensemble. 1 Credit Hour.
An advanced instrumental chamber ensemble that performs new and
contemporary literature often using technology. Offered to all students
with advanced performing experience. Audition required.

MUSI 3541. Electronic Percussion Ensemble. 1 Credit Hour.
An advanced instrumental ensemble performing percussion literature
using student designed and built instruments, interfaces and software,
as well as commercially available controllers. Offered to all students with
percussion experience. Audition required.

MUSI 3551. Rock and Pop Ensemble. 1 Credit Hour.
A contemporary popular music ensemble performing historical and
current popular music. Offered to all students with advanced performing
experience. Audition required.

MUSI 3600. Music Theory II. 2 Credit Hours.
Advanced music theory including Roman numeral analysis, voice
leading in four-part harmony, seventh chords, melodic organization, and
modulation.

MUSI 3601. University Orchestra. 1 Credit Hour.
The Georgia Tech Orchestra maintains a full complement of woodwinds,
brass, percussion, and strings and performs classical through
contemporary literature. Contact director prior to the first day of class to
arrange audition.

MUSI 3602. University Orchestra. 1 Credit Hour.
The Georgia Tech Orchestra maintains a full complement of woodwinds,
brass, percussion, and strings and performs classical through
contemporary literature. Contact director prior to the first day of class to
arrange audition.

MUSI 3603. University Orchestra. 1 Credit Hour.
The Georgia Tech Orchestra maintains a full complement of woodwinds,
brass, percussion, and strings and performs classical through
contemporary literature. Contact director prior to the first day of class to
arrange audition.

MUSI 3610. Composers and Their Music: 1500-1800. 2 Credit Hours.
The history of western music from the Renaissance to the period of
classicism.

MUSI 3611. Symphony Orchestra. 1 Credit Hour.
An advanced instrumental ensemble performing traditional and
contemporary literature. Offered to all students with string, woodwind,
brass, or percussion experience. Audition required.

MUSI 3620. Composers and Their Music: 1800 to Present. 2 Credit Hours.
The history of western music from the period of classicism to present
day.

MUSI 3630. The History of Jazz, the Roots and Evolution of an American
Musical Art Form. 3 Credit Hours.
The history of the American musical art form, Jazz, from its roots within
African American works through fusion and new directions in jazz.

MUSI 3710. Individual Applied Instruction. 1 Credit Hour.
Private instruction for vocal, wind, and percussion students admitted into
the Minor of Music program.

MUSI 3720. Individual Applied Instruction. 1 Credit Hour.
Private instruction for vocal, wind, and percussion students admitted into
the Minor of Music program.

MUSI 3730. Individual Applied Instruction. 1 Credit Hour.
Private instruction for vocal, wind, and percussion students admitted into
the Minor of Music program.
MUSI 3740. Individual Applied Instruction. 1 Credit Hour.
Private instruction for vocal, wind, and percussion students admitted into the Music Minor program.

MUSI 3750. Individual Applied Instruction. 1 Credit Hour.
Private instruction for vocal, wind, and percussion students admitted into the Music Minor program.

MUSI 3770. Project Studio: Technology. 4 Credit Hours.
Thematic project in music technology driven by a foundational research question.

MUSI 3771. Project Studio: Analysis. 4 Credit Hours.
Thematic project connecting music theory, musicology, performance practice and musicianship through intensive study of a single musical genre or composer.

MUSI 3801. Special Topics. 1 Credit Hour.
Special ad hoc courses or projects not included in regular course offerings.

MUSI 3802. Special Topics. 2 Credit Hours.
Special ad hoc courses or projects not included in regular course offerings.

MUSI 3803. Special Topics. 3 Credit Hours.
Special ad hoc courses or projects not included in regular course offerings.

MUSI 4008. Marching Band. 2 Credit Hours.
The Georgia Tech Marching Yellow Jackets perform at all home and some away football games. Students are expected to attend a pre-season camp. All conflicts must be approved by the director.

MUSI 4009. Pep Band. 1 Credit Hour.
Performance ensemble for men's and women's basketball games.

MUSI 4102. Concert Band. 1 Credit Hour.
An instrumental ensemble that performs traditional and contemporary wind literature and is offered to all students with wind, brass, or percussion experience.

MUSI 4103. Concert Band. 1 Credit Hour.
An instrumental ensemble that performs traditional and contemporary wind literature and is offered to all students with wind, brass, or percussion experience.

MUSI 4112. Symphonic Band. 1 Credit Hour.
Audition required prior to the first day of class. An auditioned instrumental ensemble for the more accomplished student interested in band performance; focusing on musical excellence of challenging band literature. Contact director for audition requirements.

MUSI 4113. Symphonic Band. 1 Credit Hour.
Prerequisite: Audition prior to the first day of class. An auditioned instrumental ensemble for the more accomplished student interested in band performance; focusing on musical excellence of challenging band literature. Contact director for audition requirements.

MUSI 4201. Chorale—Mixed Singing Group. 1 Credit Hour.
A large ensemble focused on rehearsal and performance of high-quality music of all genres. Choral music experience recommended.

MUSI 4202. Chorale—Mixed Singing Group. 1 Credit Hour.
Prerequisite: Choral music experience recommended. A large ensemble focused on rehearsal and performance of high-quality music of all genres.

MUSI 4203. Chorale—Mixed Singing Group. 1 Credit Hour.
Prerequisite: Choral music experience recommended. A large ensemble focused on rehearsal and performance of high-quality music of all genres.

MUSI 4211. Vocal Ensemble. 1 Credit Hour.
An auditioned vocal ensemble of the more serious student of vocal music; focuses on rehearsal and performance of high-quality music of all genres. Audition and/or consent of instructor required.

MUSI 4212. Vocal Ensemble. 1 Credit Hour.
Prerequisite: Audition and/or consent of instructor. An auditioned vocal ensemble for the more serious student of vocal music; focused on rehearsal and performance of high-quality music of all genres.

MUSI 4213. Vocal Ensemble. 1 Credit Hour.
Prerequisite: Audition and/or consent of professor. An auditioned vocal ensemble for the more serious student of vocal music; focused on rehearsal and performance of high-quality music of all genres.

MUSI 4221. Men's Glee Club. 1 Credit Hour.
An all-male choral ensemble focused on rehearsal and performance of male chorus literature.

MUSI 4222. Men's Glee Club. 1 Credit Hour.
An all-male choral ensemble focused on rehearsal and performance of male chorus literature.

MUSI 4223. Men's Glee Club. 1 Credit Hour.
An all-male choral ensemble focused on rehearsal and performance of male chorus literature.

MUSI 4301. Jazz Ensemble. 1 Credit Hour.
A traditional twenty member big band and small ensemble specializing in improvisation. Members learn various jazz styles, performance practices, and history.

MUSI 4302. Jazz Ensemble. 1 Credit Hour.
A traditional twenty member big band and small ensemble specializing in improvisation. Members learn various jazz styles, performance practices, and history.

MUSI 4303. Jazz Ensemble. 1 Credit Hour.
A traditional twenty member big band and small ensemble specializing in improvisation. Members learn various jazz styles, performance practices, and history.

MUSI 4401. Chamber Ensemble. 1 Credit Hour.
Small instrumental ensembles of various types selected by the director to perform literature for the specific ensemble.

MUSI 4402. Chamber Ensemble. 1 Credit Hour.
Small instrumental ensembles of various types selected by the director to perform literature for the specific ensemble.

MUSI 4403. Chamber Ensemble. 1 Credit Hour.
Small instrumental ensembles of various types selected by the director to perform literature for the specific ensemble.

MUSI 4450. Integrating Music Into Multimedia. 3 Credit Hours.
Techniques for effectively utilizing music and audio in the context of digital multimedia.

MUSI 4455. Streaming Media. 3 Credit Hours.
To familiarize students with tools and techniques for the creation, production, distribution, and aesthetic analysis of audio, video, and live events for Internet and Internet2 dissemination.
MUSI 4456. Music Technology History and Repertoire. 3 Credit Hours.
Overview of the history, aesthetics, and technology of electronic and computer music over the past century through selected readings, musical analysis, and individual research projects. Credit will not be awarded for both MUSI 4456 and MUSI 6003.

MUSI 4457. Computational Music and Audio Analysis. 3 Credit Hours.
The course will survey fundamental techniques in the fast-growing area of Music Information Retrieval (MIR). Credit will not be awarded for both MUSI 4457 and MUSI 6201.

MUSI 4458. Computer Music Composition. 3 Credit Hours.
Realization of individual composition projects in music technology and consideration of related theory, aesthetics, and repertoire. Credit will not be awarded for both MUSI 4458 and MUSI 6304.

MUSI 4459. Digital Signal Processing for Music. 3 Credit Hours.
This course will cover elements of digital audio signal processing, such as spectra, digital filters, Fourier analysis and their application to music synthesis and analysis. Credit will not be awarded for both MUSI 4459 and MUSI 6202.

MUSI 4501. Percussion Ensemble. 1 Credit Hour.
Percussion ensemble focuses on traditional and contemporary ensemble literature as well as transcriptions of popular music.

MUSI 4502. Percussion Ensemble. 1 Credit Hour.
Percussion ensemble focuses on traditional and contemporary ensemble literature as well as transcriptions of popular music.

MUSI 4503. Percussion Ensemble. 1 Credit Hour.
Percussion ensemble focuses on traditional and contemporary ensemble literature as well as transcriptions of popular music.

MUSI 4521. Electronic Percussion Studio/Ensemble. 3 Credit Hours.
Applied design construction and programming for performance.

MUSI 4522. Electronic Percussion Studio/Ensemble. 3 Credit Hours.
Applied design construction and programming for performance.

MUSI 4601. University Orchestra. 1 Credit Hour.
The Georgia Tech Orchestra maintains a full complement of woodwinds, brass, percussion, and strings and performs classical through contemporary literature. Contact director prior to the first day of class to arrange audition.

MUSI 4602. University Orchestra. 1 Credit Hour.
The Georgia Tech Orchestra maintains a full complement of woodwinds, brass, percussion, and strings and performs classical through contemporary literature. Contact director prior to the first day of class to arrange audition.

MUSI 4603. University Orchestra. 1 Credit Hour.
The Georgia Tech Orchestra maintains a full complement of woodwinds, brass, percussion, and strings and performs classical through contemporary literature. Contact director prior to the first day of class to arrange audition.

MUSI 4630. Music Recording and Mixing. 3 Credit Hours.
Overview of concepts, techniques, hardware, and software used in audio production, as well as aesthetic concerns and considerations.

MUSI 4650. Music and Sound Design. 3 Credit Hours.
An investigation of principles and practice of audio and music design, in both contemporary digital and traditional analog systems.

MUSI 4670. Music Interface Design. 3 Credit Hours.
Theory and practice of designing and prototyping new forms of music interfaces, including percussion, haptic, and augmented traditional constructs.

MUSI 4677. Music Perception and Cognition. 3 Credit Hours.
The course will examine how humans process musical sound, covering the basics of the human auditory system and the experience of musical sound. Credit will not be awarded for both MUSI 4677 and MUSI 6001.

MUSI 4698. Undergraduate Research Assistantship. 1-12 Credit Hours.
Independent research conducted under the guidance of a faculty member.

MUSI 4699. Undergraduate Research. 1-12 Credit Hours.
Independent research conducted under the guidance of a faculty member.

MUSI 4705. Music Technology Capstone I. 4 Credit Hours.
Students will implement their broad theoretical and practical knowledge and understanding of music technology in a hands-on project, culminating in public presentation.

MUSI 4706. Music Technology Capstone II. 4 Credit Hours.
Students will implement their broad theoretical and practical knowledge and understanding of music technology in a hands-on project, culminating in a public and industry presentation.

MUSI 4801. Special Topics. 1 Credit Hour.
Special ad hoc courses or projects not included in regular course offerings.

MUSI 4802. Special Topics. 2 Credit Hours.
Special ad hoc courses or projects not included in regular course offerings.

MUSI 4803. Special Topics. 3 Credit Hours.
Special ad hoc courses or projects not included in regular course offerings.

MUSI 4813. Special Topics. 3 Credit Hours.
Special ad hoc courses or projects not included in regular course offerings.

MUSI 4823. Special Topics. 3 Credit Hours.
Special ad hoc courses or projects included in regular course offerings.

MUSI 4833. Special Topics. 3 Credit Hours.
Special ad hoc courses or projects not included in regular course offerings.

MUSI 6001. Music Perception and Cognition. 3 Credit Hours.
This course examines how humans process musical sound, covering topics such as the auditory system, psychacoustics, music cognition, and psychology.

MUSI 6002. Computer Supported Interactive Music. 3 Credit Hours.
Theoretical and practical issues in computer supported interactive music. The course involves readings, class discussions, student presentations, and the design of a final project.

MUSI 6003. Music Technology History and Repertoire. 3 Credit Hours.
Overview of the history, aesthetics, and technology of electronic and computer music over the past century through selected readings, musical analysis, and individual research projects.

MUSI 6004. Technology Ensemble. 3 Credit Hours.
Practice and performance of original and repertoire works in live audio settings using commercial and propriety technology.

MUSI 6005. Music Ensemble for Graduate Students. 1 Credit Hour.
The graduate level of any music ensemble.

MUSI 6103. Music Recording and Mixing. 3 Credit Hours.
Overview of concepts, techniques, hardware, and software used in audio production as well as aesthetic concerns and considerations.
MUSI 6104. Integrating Music into Multimedia. 3 Credit Hours.
To familiarize students with the tools and techniques for effectively utilizing music and audio in the context of digital multimedia and the internet.

MUSI 6105. Digital Media Production and Mastering. 3 Credit Hours.
Tools and techniques for effectively mastering, optimizing, finalizing, and producing digital media for multimedia and the Internet.

MUSI 6201. Computational Music and Audio Analysis. 3 Credit Hours.
This class addresses theory and techniques of Music Information Retrieval (MIR). Topics include computational analysis of audio signals, symbolic representations, and pattern recognition techniques. Credit will not be awarded for both MUSI 6201 and MUSI 4457.

MUSI 6202. Digital Signal Processing for Music Analysis and Synthesis. 3 Credit Hours.
Research in music, as well as music production and composition increasingly relies on sophisticated digital signal processing techniques. This course will review fundamental elements of digital audio signal processing, such as sinusoids, spectra, digital filters, and Fourier analysis and their application to the fundamental music analysis problems of modeling and synthesis. The course will focus particularly on the algorithmic implementation sound transformation and synthesis techniques through intensive programming assignments in Matlab and Csound.

MUSI 6203. Project Studio in Music Technology. 3 Credit Hours.
Discussion, design and development of computer music applications and performance controllers.

MUSI 6301. Music Interface Design. 3 Credit Hours.
Theory and practice of designing and prototyping new forms of music interfaces including percussion, haptic, and augmented traditional constructs.

MUSI 6302. The Musical Mind. 3 Credit Hours.
This course teaches the science of music, nature of music, perception of music, analysis of musical talent, development of musical skills, and approaches to musical esthetics.

MUSI 6303. Network Music. 3 Credit Hours.
Exploration of distributed music systems over local-area networks and Internet, including discussion of existing technologies, works, literature, and hands-on experimentation with tools and techniques.

MUSI 6304. Computer Music Composition. 3 Credit Hours.
Realization of individual composition projects in music technology and consideration of related theory, aesthetics, and repertoire. Credit will not be awarded for both MUSI 6304 and MUSI 4458.

MUSI 7000. Master's Thesis. 1-21 Credit Hours.
Advisor guided thesis writing.

MUSI 7100. Music Technology Research Laboratory. 1-21 Credit Hours.
Advisor guided research and creative work in music technology. Investigation of novel technological and artistic concepts. Design and develop new hardware, software, and musical artifacts.

MUSI 7998. Preparation for Qualifying Paper. 1-21 Credit Hours.
Preparation of qualifying paper for Ph.D. in Music Technology.

MUSI 7999. Preparation for Qualifying Examination. 1-21 Credit Hours.
Preparation for qualifying examinations for Ph.D. in Music Technology.

MUSI 8001. Research Methods. 3 Credit Hours.
Theoretical and practical issues in music technology research including design patterns, data sets, quantitative and qualitative evaluation standards, proper citation, and print and oral presentation.

MUSI 8002. Apprentice Teaching. 3 Credit Hours.
Pedagogical approaches to music technology, focusing on hands-on teaching experience.

MUSI 8801. Special Topics. 1 Credit Hour.
Topics of current interest.

MUSI 8802. Special Topics. 2 Credit Hours.
Topics of current interest.

MUSI 8803. Special Topics. 3 Credit Hours.
Topics of current interest.

MUSI 8804. Special Topics. 4 Credit Hours.
Topics of current interest.

MUSI 8805. Special Topics. 5 Credit Hours.
Topics of current interest.

MUSI 8901. Special Problems. 1-21 Credit Hours.
Individualized study with an advisor.

MUSI 8902. Special Problems. 1-21 Credit Hours.
Individualized study with an advisor.

MUSI 8903. Special Problems. 1-21 Credit Hours.
Individualized study with an advisor.

MUSI 9000. Doctoral Thesis. 1-21 Credit Hours.

MUSI 8001. Research Methods. 3 Credit Hours.
Theoretical and practical issues in music technology research including design patterns, data sets, quantitative and qualitative evaluation standards, proper citation, and print and oral presentation.