Music Technology

Associate in Science Degree

Electronic Music

(P2171)

The Electronic Music program introduces students to the history, equipment and techniques of composing, arranging and performing music using electronic technology. Students learn theory and have hands-on experience with analog and digital technology, MIDI and General MIDI sampling, sound output systems and tape recording. Students also use computer technology to create electronic music compositions and learn techniques and application of software programs dealing with music recording, notation, sound editors and sound libraries.

For more information about the Electronic Music program, visit the Music website.

Associate in Science Degree

Music Recording

(P2170)

The Music Recording program introduces students to the equipment and practices used in the recording of contemporary music. Students explore multi-track and live recording techniques with hands-on use of both analog and digital recording equipment. In addition, students learn the application of industry standard hard disk recording and editing software.

For more information about the Music Recording program, visit the Music website.

Degrees

• AS Music Technology - Electronic Music Option (p. 1)
• AS Music Technology - Music Recording Option (p. 1)

Electronic Music

(P2171)

All students must pass a theory placement exam or register for MUS-011 Basic Musicianship I and MUS-176 Aural Comprehension I during the first semester.

Students must receive a grade of C or better in MUS-011 Basic Musicianship I to register for MUS-117 Music Theory I. Any student who receives a grade of D in any music core course must repeat the course and is required to see the Music department chair before registering for the next semester.


General Education Foundation

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication</td>
<td>6</td>
</tr>
<tr>
<td>ENG-111 English Composition I</td>
<td></td>
</tr>
<tr>
<td>ENG-112 English Composition II</td>
<td></td>
</tr>
<tr>
<td>Math-Science-Technology</td>
<td>10</td>
</tr>
<tr>
<td>MAT-110 College Algebra</td>
<td></td>
</tr>
<tr>
<td>CMP-135 Computer Concepts With Applications</td>
<td></td>
</tr>
<tr>
<td>Laboratory Science (4 credits) - From the General Education Course List, choose any 4 credit science course that includes a lab component</td>
<td></td>
</tr>
<tr>
<td>Social Science - Choose one of the following</td>
<td>3</td>
</tr>
<tr>
<td>PSY-113 General Psychology</td>
<td></td>
</tr>
<tr>
<td>SOC-120 Principles of Sociology</td>
<td></td>
</tr>
<tr>
<td>Humanities - Choose one of the following</td>
<td>3</td>
</tr>
<tr>
<td>MUS-114 American Music</td>
<td></td>
</tr>
<tr>
<td>MUS-143 World Music and Culture</td>
<td></td>
</tr>
<tr>
<td>MUS-150 Jazz History and Styles</td>
<td></td>
</tr>
<tr>
<td>MUS-163 Rock History and Culture</td>
<td></td>
</tr>
<tr>
<td>MUS-217 Music History and Literature to 1750</td>
<td></td>
</tr>
<tr>
<td>MUS-218 Music History and Literature From 1750</td>
<td></td>
</tr>
<tr>
<td>MUS-248 Enjoyment of Music</td>
<td></td>
</tr>
<tr>
<td>MUS-258 Contemporary Music: 20th-21st Century</td>
<td></td>
</tr>
<tr>
<td>Social Science or Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>Choose from General Education course list</td>
<td></td>
</tr>
<tr>
<td>General Education Electives</td>
<td>6</td>
</tr>
<tr>
<td>Language Sequence or History</td>
<td></td>
</tr>
<tr>
<td>*Please refer to the #2171 Curriculum Check Sheet for specific Language or History choices.</td>
<td></td>
</tr>
<tr>
<td>General Education Foundation Credits</td>
<td>31</td>
</tr>
</tbody>
</table>

Electronic Musical Core

*Please Note: Music Theory, Applied Music Primary, and Applied Music Secondary are co-requisites and must be taken together.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS-117 Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUS-118 Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUS-215 Music Theory III</td>
<td>3</td>
</tr>
<tr>
<td>MUS-216 Music Theory IV</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Students must be registered for at least 6 Music credits in order to enroll in Applied Music Primary I - III

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS-135 Applied Music Primary I</td>
<td>1</td>
</tr>
<tr>
<td>MUS-136 Applied Music Primary II</td>
<td>1</td>
</tr>
<tr>
<td>MUS-137 Applied Music Primary III</td>
<td>1</td>
</tr>
</tbody>
</table>

Select one of the following sequences (Note: All music majors must register for Applied Music Secondary Piano I - IV unless their primary instrument is piano, in which case students must register for Applied Music Secondary Voice I - IV)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS-125 Applied Music Secondary-Piano I</td>
<td>1</td>
</tr>
<tr>
<td>or MUS-109 Applied Music Secondary-Voice I</td>
<td></td>
</tr>
<tr>
<td>MUS-126 Applied Music Secondary-Piano II</td>
<td>1</td>
</tr>
<tr>
<td>or MUS-110 Applied Music Secondary-Voice II</td>
<td></td>
</tr>
</tbody>
</table>
Music Recording

(P2170)

All students must pass a theory placement exam or register for MUS-011 Basic Musicianship I and MUS-176 Aural Comprehension I during the first semester.

Students must receive a grade of C or better in MUS-011 Basic Musicianship I to register for MUS-117 Music Theory I. Any student who receives a grade of D in any music core course must repeat the course and is required to see the Music department chair before registering for the next semester.


**General Education Foundation**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>ENG-111</td>
<td>English Composition I</td>
<td></td>
</tr>
<tr>
<td>ENG-112</td>
<td>English Composition II</td>
<td></td>
</tr>
<tr>
<td>Math-Science-Technology</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>MAT-110</td>
<td>College Algebra</td>
<td></td>
</tr>
<tr>
<td>CMP-135</td>
<td>Computer Concepts With Applications</td>
<td></td>
</tr>
<tr>
<td>Laboratory Science (4 credits) - From the General Education Course List, choose any 4 credit science course that includes a lab component</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>MUS-182</td>
<td>Audio Production Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MUS-259</td>
<td>Hard Disc Recording</td>
<td>2</td>
</tr>
<tr>
<td>MUS-249</td>
<td>Practicum</td>
<td>1</td>
</tr>
<tr>
<td>MUS-250</td>
<td>Internship in Music Recording</td>
<td>1</td>
</tr>
<tr>
<td>ELT-123</td>
<td>Studio Maintenance</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Music Recording Core Credits</strong></td>
<td><strong>38</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits</strong></td>
<td><strong>69</strong></td>
</tr>
</tbody>
</table>

**Faculty**

Marielaine R. Mammon  
Chairperson, Music, Performing Arts & Music Technologies  
Professor, Music  
M.A., B.A., The College of New Jersey  
MTC 202 973-328-5434  mmammon@ccm.edu

Dr. Richard Gradone  
Professor, Music  
Ph.D., New York University  
M.A., The Catholic University of America  
B.M., Manhattan School of Music  
MTC 202 973-328-5433  mgradone@ccm.edu

Joseph Bilotti  
Associate Professor, Music  
M.A., Montclair State University  
B.M., Montclair State University  
A.A., County College of Morris  
MTC 202 973-328-5428  jbilotti@ccm.edu (mmammon@ccm.edu)

Todd Collins  
Associate Professor, Music  
M.M., Rutgers University  
B.M., Montclair State University  
A.A., South Plains College  
A.A.S., South Plains College  
MTC 202 973-328-5409  tcollins@ccm.edu (mmammon@ccm.edu)

Dr. Jose Bevia  
Professor, Music  
Ph.D., Florida State University  
B.M., Berklee College of Music  
B.M., Valencia Conservatory  
MTC 202 973-328-5432  jbevia@ccm.edu (mmammon@ccm.edu)

**Courses**

**MUS-011. Basic Musicianship I. 0 Credits.**  
LECT 3 hrs  
Requirement for Music Majors who do not pass the Music Theory I, MUS-117, placement exam. A pre-music theory course designed to develop reading skills through keyboard, sight-singing and ear-training. This course may not be used as a curriculum requirement for any major. Students must pass this course or an equivalent Music Theory placement exam to register for MUS-117 Theory I.

**MUS-109. Applied Music Secondary-Voice I. 1 Credit.**  
LECT 1 hr, LAB 2 hrs  
This course is a four-semester sequence planned to develop vocal ability and emphasizes vocal techniques, diction and sight-reading.  
**Prerequisites:** Permission of department chair.

**MUS-110. Applied Music Secondary-Voice II. 1 Credit.**  
LECT 1 hr, LAB 2 hrs  
This course is a four-semester sequence planned to develop vocal ability and emphasizes vocal techniques, diction and sight-reading.  
**Prerequisites:** MUS-109.

**MUS-112. Introduction to Electronic Music. 3 Credits.**  
LECT 3 hrs  
An exploration of the physical properties of sound, synthesizers, music recording, music arrangement, and the history of electronic music.  
**Additional Fees:** Course fee applies.

**MUS-114. American Music. 3 Credits.**  
LECT 3 hrs  
A survey of American Roots music from the 19th century to the present. Early Anglo and African influences are presented followed by 20th century folk, gospel, Hispanic, various styles of country, bluegrass and related acoustic music, various styles of blues and jazz, Cajun and zydeco, early R&B, soul and the beginnings of rock and roll.

**MUS-117. Music Theory I. 3 Credits.**  
LECT 2 hrs, LAB 3 hrs  
For Music Students only. This course is designed to stress the fundamentals of musicianship including the basic elements of sight-singing, ear-training, writing, playing, terminology and form analysis.  
**Prerequisites:** MUS-011 or permission of department chair For Music Students Only  
**Corequisites:** (MUS-125 or MUS-109) and MUS-135.

**MUS-118. Music Theory II. 3 Credits.**  
LECT 2 hrs, LAB 3 hrs  
For Music Students only. This course is designed to stress the fundamentals of musicianship including the basic elements of sight-singing, ear-training, writing, playing, terminology and form analysis.  
**Prerequisites:** MUS-117 For Music Students Only  
**Corequisites:** (MUS-126 or MUS-110) and MUS-136.

**MUS-124. Electronic Music II. 3 Credits.**  
LECT 3 hrs  
This course is a continuation of Introduction to Electronic Music with increased application of sound systems and MIDI systems. Students produce recorded final projects.  
**Prerequisites:** MUS-112  
**Additional Fees:** Course fee applies.

**MUS-125. Applied Music Secondary-Piano I. 1 Credit.**  
LECT 1 hr, LAB 2 hrs  
This course is a four-semester sequence designed to develop keyboard facility and is required of all music emphasis students whose principal instrument is not piano.  
**Prerequisites:** Music Majors Only. Permission of department chair  
**Corequisites:** Music Majors only. Permission of department chair.

**MUS-126. Applied Music Secondary-Piano II. 1 Credit.**  
LECT 1 hr, LAB 2 hrs  
This course is a four-semester sequence designed to develop keyboard facility and is required of all music emphasis students whose principal instrument is not piano.  
**Prerequisites:** MUS-125  
**Corequisites:** MUS-118 and MUS-136.
MUS-127. Principles of Strings I. 1 Credit.
LECT 1 hr, LAB 2 hrs
For Music Students only. This course is designed to convey an understanding of the basic technical skills on violin studies with the first position.

MUS-128. Principles of Strings II. 1 Credit.
LECT 1 hr, LAB 2 hrs
For Music Students only. This course is designed to complete the study of basic violin, viola techniques and the understanding of the proper pedagogical approaches.
Prerequisites: MUS-127.

MUS-129. Music in Early Childhood. 3 Credits.
LECT 3 hrs
A course offering students a wide variety of meaningful experiences which provide a foundation for musical growth and understanding of early childhood music. This is a hands-on course in which students must participate.

MUS-133. Development of Musical Theater. 3 Credits.
LECT 3 hrs
This course is an examination of the elements of the musical (singing, acting, dancing, song construction, story development) and an exploration of the beginnings of the musical theater from Europe to Broadway.

MUS-135. Applied Music Primary I. 1 Credit.
LECT 1 hr
For Music emphasis students only. This course consists of one 50-minute private lesson per week (to be arranged) on student's primary instrument (or in voice). Students are expected to attend performance seminars and participate in public recitals. These courses are classical in emphasis.
Corequisites: (MUS-125 or MUS-109) and MUS-117
Additional Fees: Course fee applies.

MUS-136. Applied Music Primary II. 1 Credit.
LECT 1 hr
This course consists of one 50-minute private lesson per week (to be arranged) on student's primary instrument (or in voice). Students are expected to attend performance seminars and participate in public recitals. These courses are classical in emphasis.
Prerequisites: MUS-135
Corequisites: (MUS-126 or MUS-110) and MUS-118
Additional Fees: Course fee applies.

MUS-137. Applied Music Primary III. 1 Credit.
LECT 1 hr
This course consists of one 50-minute private lesson per week (to be arranged) on student's primary instrument (or in voice). Students are expected to attend performance seminars and participate in public recitals. These courses are classical in emphasis.
Prerequisites: MUS-136
Corequisites: (MUS-225 or MUS-209) and MUS-215
Additional Fees: Course fee applies.

MUS-138. Applied Music Primary IV. 1 Credit.
LECT 1 hr
This course consists of one 50-minute private lesson per week (to be arranged) on student's primary instrument (or in voice). Students are expected to attend performance seminars and participate in public recitals. These courses are classical in emphasis.
Prerequisites: MUS-137 For Music Students Only
Corequisites: (MUS-226 or MUS-210) and MUS-216
Additional Fees: Course fee applies.

MUS-139. Wind Ensemble I. 1 Credit.
LAB 4 hrs
Includes group performance on all instruments with standard and new repertoire. Emphasis is on reading and musicianship. Prior knowledge of instrument is required.

MUS-140. Wind Ensemble II. 1 Credit.
LAB 4 hrs
Includes group performance on all instruments with standard and new repertoire. Emphasis is on reading and musicianship. Prior knowledge of instrument is required.

MUS-141. Wind Ensemble III. 1 Credit.
LAB 4 hrs
Includes group performance on all instruments with standard and new repertoire. Emphasis is on reading and musicianship. Prior knowledge of instrument is required.

MUS-142. Wind Ensemble IV. 1 Credit.
LAB 4 hrs
Includes group performance on all instruments with standard and new repertoire. Emphasis is on reading and musicianship. Prior knowledge of instrument is required.

MUS-143. World Music and Culture. 3 Credits.
LECT 3 hrs
A survey of world folk music including material from Asia, the Middle East, Africa, Europe, North and South America. Lectures and discussions are illustrated by recordings, DVDs and online resources. Students may be invited to contribute course subject matter by bringing personally favored music to be studied.

MUS-145. Chamber Choir I. 1 Credit.
LAB 4 hrs
Required of all students in Curriculum 1190 and 2006. Includes performance of selected sacred and secular vocal chamber music. Students must have advanced vocal and technical ability. Participation in concerts and other scheduled appearances is required. Memorization is required.

MUS-146. Chamber Choir II. 1 Credit.
LAB 4 hrs
Required of all students in Curriculum 1190 and 2006. Includes performance of selected sacred and secular vocal chamber music. Students must have advanced vocal and technical ability. Participation in concerts and other scheduled appearances is required. Memorization is required.

MUS-147. Chamber Choir III. 1 Credit.
LAB 4 hrs
Required of all students in Curriculum 1190 and 2006. Includes performance of selected sacred and secular vocal chamber music. Students must have advanced vocal and technical ability. Participation in concerts and other scheduled appearances is required. Memorization is required.
MUS-148. Chamber Choir IV. 1 Credit.
LAB 4 hrs
Required of all students in Curriculum 1190 and 2006. Includes performance of selected sacred and secular vocal chamber music. Students must have advanced vocal and technical ability. Participation in concerts and other scheduled appearances is required. Memorization is required.

MUS-149. Introduction to Technical Theatre. 3 Credits.
LECT 1 hr, LAB 2 hrs
In this course students will be introduced to all facets of western technical theatre practices. Through a series of lectures, practical exercises, and projects, along with field trips to professional scene shops and theaters, students will explore various production roles, fundamental terminology, and conventional processes including maintaining a theater and scene shop, construction of scenery, hanging and focusing lights, sound and light-board operation, scenic painting, and building and acquisition of costumes and props. Students will practice and apply these skills in the actual creative process while developing time-management skills in the process. Throughout the semester the student will log a minimum of 30 hours of shop and production time assisting a Theatre Program production.

MUS-150. Jazz History and Styles. 3 Credits.
LECT 3 hrs
This course is an examination of the styles and elements of this improvisational music from the 1860's to the present. This course focuses on the evolution of jazz from its roots in the blues and spirituals to the emergence of contemporary fusion and avant-garde styles.

MUS-151. Introduction to Lighting Design. 3 Credits.
LECT 1 hr, LAB 2 hrs
In this course students will explore the practicality & artistry of Lighting Design for the stage. Through a series of lectures, collaboration projects, and first-hand demonstrations, students will be able to explain and apply the properties and functions of Light while acquiring the knowledge and skillset to perform common duties of a theatrical electrician. This class also emphasizes critical thinking while analyzing scripts, synthesizing artistic and stylistic choices and their effects on the stage. Students will be challenged with a hands-on training approach; assisting with various light hangs and focuses, as well as learning how to program and operate an ETC Ion lighting console. Upon completion students will gain an overall working technical knowledge of electricity, the equipment and tools of the trade, and learn how to apply them to a final design. Throughout the semester the student will log a minimum of 30 hours of shop and production time assisting a Theatre Program production.

MUS-152. Piano I. 1 Credit.
LECT 1 hr, LAB 2 hrs
For non-music majors. Group lessons in the fundamentals of piano playing. This course includes the study of scales, arpeggios, and simple accompaniments. Keyboard experience is not required. Course is designed specifically for the non-music major.

MUS-153. Piano II. 1 Credit.
LECT 1 hr, LAB 2 hrs
For non-music majors. Group lessons in the fundamentals of piano playing. This course includes the study of scales, arpeggios, and simple accompaniments. Keyboard experience is not required. Course designed specifically for the non-music major.

MUS-154. Piano III. 1 Credit.
LECT 1 hr, LAB 2 hrs
For non-music majors. Group lessons in the fundamentals of piano playing. This course includes the study of scales, arpeggios and simple accompaniments. Keyboard experience is not required. Course designed specifically for the non-music major.

MUS-155. Piano IV. 1 Credit.
LECT 1 hr, LAB 2 hrs
For non-music majors. Group lessons in the fundamentals of piano playing. This course includes the study of scales, arpeggios and simple accompaniments. Keyboard experience is not required. Course designed specifically for the non-music major.

MUS-159. Guitar I. 1 Credit.
LECT 1 hr, LAB 2 hrs
Open to all students. Group guitar instruction in fundamental guitar techniques. Studies include plectrum and finger style, position reading, scales and chord construction. Course designed to accommodate non-guitar music students as well as non-music majors.

MUS-160. Guitar II. 1 Credit.
LECT 1 hr, LAB 2 hrs
Open to all students. Group guitar instruction in fundamental guitar techniques. Studies include plectrum and finger style, position reading, scales and chord construction. Course designed to accommodate non-guitar music students as well as non-music majors.

MUS-163. Rock History and Culture. 3 Credits.
LECT 3 hrs
This course traces the evolution of rock music from 1955 to the present and examines the cultural impact of the music form on contemporary society.

MUS-165. Introduction to Music Recording. 3 Credits.
LECT 3 hrs
An introduction to the commercial recording studio. Students explore the equipment and techniques used in the recording of various types of contemporary music. Topics include studio acoustics and design, sound and hearing, microphones and microphone technique, recording console and signal flow, analog and digital recording systems, and signal processing. Students receive hands-on experience on both analog and digital recording equipment during in-class demonstrations and workshops.

Additional Fees: Course fee applies. Additional Fees: Course fee applies.

MUS-166. Introduction to Music Business. 3 Credits.
LECT 3 hrs
A general overview of all areas of music business including demo tape promotion, contracts, managers, copyright laws and publishing. Guest lecturers include prominent industry lawyers and agents. Project will include developing a professional press kit that will be presented to the artist at the end of the semester.
MUS-167. Music Recording II. 3 Credits.
LECT 3 hrs
A continuation of MUS-165 Introduction to Music Recording in which students explore more complex recording situations through individual student projects. Students receive hands-on experience in session set-up, miking, use of outboard signal processing, mixing and production.
Prerequisites: MUS-165
Corequisites: MUS-180
Additional Fees: Course fee applies.

MUS-170. Symphony Orchestra I. 1 Credit.
LAB 4 hrs
Includes performance of the classical symphonic repertoire for full orchestra. Rehearsals are held one evening a week. Prior knowledge of instrument is required.

MUS-171. Symphony Orchestra II. 1 Credit.
LAB 4 hrs
Includes performance of the classical symphonic repertoire for full orchestra. Rehearsals are held one evening a week. Prior knowledge of instrument is required.

MUS-172. Symphony Orchestra III. 1 Credit.
LAB 4 hrs
Includes performance of the classical symphonic repertoire for full orchestra. Rehearsals are held one evening a week. Prior knowledge of instrument is required.

MUS-173. Symphony Orchestra IV. 1 Credit.
LAB 4 hrs
Includes performance of the classical symphonic repertoire for full orchestra. Rehearsals are held one evening a week. Prior knowledge of instrument is required.

MUS-176. Aural Comprehension I. 1 Credit.
LECT 1 hr, LAB 2 hrs
An intensive aural experience designed to develop ear training skills through classroom activities and computer-based work stations.
Additional Fees: Course fee applies.

MUS-177. Aural Comprehension II. 1 Credit.
LECT 1 hr, LAB 2 hrs
An intensive aural experience designed to develop ear training skills through classroom activities and computer-based work stations.
Additional Fees: Course fee applies.

MUS-178. Aural Comprehension III. 1 Credit.
LECT 1 hr, LAB 2 hrs
An intensive aural experience designed to develop ear training skills through classroom activities and computer-based work stations.
Additional Fees: Course fee applies.

MUS-179. Aural Comprehension IV. 1 Credit.
LECT 1 hr, LAB 2 hrs
An intensive aural experience designed to develop ear training skills through classroom activities and computer-based work stations.
Additional Fees: Course fee applies.

MUS-180. Microphone Techniques. 2 Credits.
LECT 1 hr, LAB 3 hrs
An in-depth study of the different techniques used for miking an array of instruments from woodwinds, brass and strings, to drums and electric instruments. Students study the design of dynamic and condenser microphones, special microphones used for certain instruments, sound comparison between different types of microphones and microphone placement on instruments.
Prerequisites: MUS-165
Corequisites: MUS-167
Additional Fees: Course fee applies.

MUS-182. Audio Production Techniques. 1 Credit.
LECT 1 hr
An examination of the production techniques used in the recording of contemporary and classic music. The course focuses on the development of critical listening skills, as well as the use of different recording and mixing techniques in an effort to enhance the overall production value of a recording. Students produce a sound-alike project in which they must emulate the sound of a preexisting recording.
Prerequisites: MUS-165, MUS-167, MUS-180
Additional Fees: Course fee applies.

MUS-184. Musical Theatre Production and Performance. 3 Credits.
LECT 2 hrs, LAB 2 hrs
Musical Theatre Production and Performance offers demanding training designed to prepare students for a career in musical theatre. Students participate in all aspects of the production from technical elements to a final performance.

MUS-185. Appreciation of Musical Theatre. 3 Credits.
LECT 3 hrs
The course charts the history of the American Musical from its roots in vaudeville and operetta to its flowering in the Golden Age of the 40s, 50s, up to the contemporary scene. Through the use of film clips, recordings, lectures and discussions, students will gain an understanding of an appreciation for one of America's greatest contributions to the arts.

MUS-201. Jazz Ensemble I. 1 Credit.
LAB 4 hrs
Designed to provide an opportunity for experienced instrumentalists to study and perform standard and current jazz literature. Prior knowledge of instrument is required.

MUS-202. Jazz Ensemble II. 1 Credit.
LAB 4 hrs
Designed to provide an opportunity for experienced instrumentalists to study and perform standard and current jazz literature. Prior knowledge of instrument is required.

MUS-203. Jazz Ensemble III. 1 Credit.
LAB 4 hrs
Designed to provide an opportunity for experienced instrumentalists to study and perform standard and current jazz literature. Prior knowledge of instrument is required.

MUS-204. Jazz Ensemble IV. 1 Credit.
LAB 4 hrs
Designed to provide an opportunity for experienced instrumentalists to study and perform standard and current jazz literature. Prior knowledge of instrument is required.
MUS-209. Applied Music Secondary-Voice III. 1 Credit.
LECT 1 hr, LAB 2 hrs
A four-semester sequence planned to develop vocal ability. The course emphasizes vocal techniques, diction and sight-reading.
Prerequisites: MUS-118 For Music Students Only.

LECT 1 hr, LAB 2 hrs
For Music students only. A four-semester sequence planned to develop vocal ability. This course emphasizes vocal techniques, diction and sight-reading.
Prerequisites: MUS-209 or permission of department chair.

MUS-214. Form and Analysis. 3 Credits.
LECT 2 hrs, LAB 3 hrs
A study of larger forms which have evolved throughout music history. Emphasis is placed on score reading of symphonies, large choral works, operas, chamber works and sonata repertoire.
Prerequisites: MUS-117, MUS-118, MUS-215, MUS-216.

MUS-215. Music Theory III. 3 Credits.
LECT 2 hrs, LAB 3 hrs
For Music Students only. Designed to stress the fundamentals of musicianship including the basic elements of sight-singing, ear-training, writing, playing, terminology and form analysis. *Note: Music Theory, Applied Music Primary and Applied Music Secondary (Piano or Voice) are co-requisite courses and in most cases should be taken together. Please refer to your Curriculum Checksheet and consult with your Academic Advisor for specific program requirements.
Prerequisites: MUS-118 For Music Students Only.

MUS-216. Music Theory IV. 3 Credits.
LECT 2 hrs, LAB 3 hrs
For Music Students only. Designed to stress the fundamentals of musicianship including the basic elements of sight-singing, ear-training, writing, playing, terminology and form analysis. *Note: Music Theory, Applied Music Primary and Applied Music Secondary (Piano or Voice) are co-requisite courses and in most cases should be taken together. Please refer to your Curriculum Checksheet and consult with your Academic Advisor for specific program requirements.
Prerequisites: MUS-215 For Music Students Only.

MUS-217. Music History and Literature to 1750. 3 Credits.
LECT 3 hrs
An in-depth study of music in Western civilization from ancient times through the Baroque period. Music from each period is discussed and analyzed.

MUS-218. Music History and Literature From 1750. 3 Credits.
LECT 3 hrs
A continuation of Music History and Literature from 1750. A study of music from the late Baroque through the Romantic period. Includes analysis of representative works.

MUS-221. Chamber Ensemble I. 1 Credit.
LAB 4 hrs
Designed to provide an opportunity for players of wind, string, percussion and keyboard instruments to study, rehearse and perform selected works from chamber music literature (consisting of two to 10 players per ensemble). Sessions must be arranged. Students must play a wind, percussion, string or keyboard instrument.

MUS-222. Chamber Ensemble II. 1 Credit.
LAB 4 hrs
Designed to provide an opportunity for players of wind, string, percussion and keyboard instruments to study, rehearse and perform selected works from chamber music literature (consisting of two to 10 players per ensemble). Sessions must be arranged. Students must play a wind, percussion, string or keyboard instrument.

MUS-223. Chamber Ensemble III. 1 Credit.
LAB 4 hrs
Designed to provide an opportunity for players of wind, string, percussion and keyboard instruments to study, rehearse and perform selected works from chamber music literature (consisting of two to 10 players per ensemble). Sessions must be arranged. Students must play a wind, percussion, string or keyboard instrument.

MUS-224. Chamber Ensemble IV. 1 Credit.
LAB 4 hrs
A theatrical production is the final objective in the course. Students, through rehearsal and performance, have a chance to have practical experiences with their art, i.e., staging, conducting, lighting, singing and general production work.

MUS-225. Applied Music Secondary-Piano III. 1 Credit.
LECT 1 hr, LAB 2 hrs
A four-semester sequence designed to develop keyboard facility. Required of all music emphasis students whose principal instrument is not piano.
Prerequisites: MUS-126
Corequisites: MUS-137 and MUS-215.

MUS-226. Applied Music Secondary - Piano IV. 1 Credit.
LECT 1 hr, LAB 2 hrs
For Music Students only. A four-semester sequence designed to develop keyboard facility. Required of all music emphasis students whose principal instrument is not piano.
Prerequisites: MUS-225 - Music Majors Only

MUS-227. Operetta and Musical Theatre I. 1 Credit.
LAB 4 hrs
A theatrical production is the final objective in the course. Students, through rehearsal and performance, have a chance to have practical experiences with their art, i.e., staging, conducting, lighting, singing and general production work.

MUS-228. Operetta and Musical Theatre II. 1 Credit.
LAB 4 hrs
A theatrical production is the final objective in the course. Students, through rehearsal and performance, have a chance to have practical experiences with their art, i.e., staging, conducting, lighting, singing and general production work.

MUS-229. Operetta and Musical Theatre III. 1 Credit.
LAB 4 hrs
A theatrical production is the final objective in the course. Students, through rehearsal and performance, have a chance to have practical experiences with their art, i.e., staging, conducting, lighting, singing and general production work.
MUS-230. Operetta and Musical Theatre IV. 1 Credit.
LAB 4 hrs
A theatrical production is the final objective in the course. Students, through rehearsal and performance, have a chance to have practical experiences with their art, i.e., staging, conducting, lighting, singing and general production work.

MUS-233. Independent Study in Music. 1 Credit.
LECT 1 hr
For Music Students only. This course is designed to allow students who have a specialized interest or who are pursuing a topic at an advanced level to engage in rigorous individualized study. The study must be designed by the faculty member and student and must be approved by the department chair.
Prerequisites: Permission of department chair
Additional Fees: Course fee applies.

MUS-234. Independent Study in Music. 3 Credits.
LECT 3 hrs
For Music Students only. Independent Study in Music is designed to allow students who have a specialized interest or who are pursuing a topic at an advanced level to engage in rigorous individualized study. The study must be designed by the student and a faculty member and must be approved by the department chair.
Prerequisites: Permission of department chair
Additional Fees: Course fee applies.

MUS-237. Cabaret Music Theatre. 1 Credit.
LAB 4 hrs
This course in cabaret theatre considers the revue-type of theatrical production which has been popularized in productions in New York, Chicago, Los Angeles and on many college campuses throughout the country. A cabaret musical revue is the final project.

MUS-238. Cabaret Music Theatre II. 1 Credit.
LAB 4 hrs
This course in cabaret theatre considers the revue-type of theatrical production which has been popularized in productions in New York, Chicago, Los Angeles and on many college campuses throughout the country. A cabaret musical revue is the final project.

MUS-240. Jazz Guitar. 1 Credit.
LECT 1 hr
This course is recommended for guitar majors, jazz ensemble guitarists or those with equivalent skills. It covers harmonic and melodic aspects of jazz improvisation in a solo or ensemble setting. Topics include modes, arpeggios and chord structure, and inversions of seventh chords in all keys. Students must already have a working knowledge of the guitar, i.e., bar chords, major/minor scales, some experience with notes and chord symbols. While this is not a class for beginner guitarists, beginner jazz players are welcome.

MUS-243. Musical Theatre Auditions. 3 Credits.
LECT 3 hrs
This course introduces the students to the preliminary work involved in the techniques of auditioning. The protocol of auditioning, including resume, agents, casting directors, scene reading and actual vocal selections, are covered in class.

MUS-244. Independent Study in Electronic Music I. 1 Credit.
LECT 1 hr
This course is an exploration of analog synthesis techniques and devices designed to allow the student to pursue specialized topics to an advanced level. The study is project oriented.
Prerequisites: MUS-112, MUS-124
Additional Fees: Course fee applies.

MUS-245. Independent Study in Electronic Music II. 1 Credit.
LECT 1 hr
This course is an exploration of the computer-based music workstation and digital technology designed to allow the student to pursue specialized topics to an advanced level. The study is project oriented.
Prerequisites: MUS-112, MUS-124, MUS-244
Additional Fees: Course fee applies.

MUS-248. Enjoyment of Music. 3 Credits.
LECT 3 hrs
Emphasis is placed on experiencing, discussing and realizing various musical styles throughout history to the present time. All music from the ancient to even today’s most popular styles are covered, but with specific attention given to how to listen and appreciate each musical genre. Students may even be invited to contribute to the course content by bringing personally favored music to be studied.

MUS-249. Practicum. 1 Credit.
LECT 1 hr
For Music Students only. Weekly lessons in a one-to-one or small group arrangement with a faculty member prepares the student in the techniques of professional music recording. Appropriate projects are assigned to help the individual student develop his or her recording skills in various situations and with various types of equipment. A three song professional EP and podcast will be produced and presented to the artist at the end of the semester.
Prerequisites: MUS-165, MUS-167, MUS-180, MUS-182, MUS-259
Additional Fees: Course fee applies.

MUS-250. Internship in Music Recording. 1 Credit.
LECT 1 hr
For Music students only. This course assigns the student to appropriate work projects are assigned and the student judged on his or her level of knowledge, expertise and confidence in the various aspects of the music recording business.
Prerequisites: MUS-165, MUS-167, MUS-180, MUS-182, MUS-259
Additional Fees: Course fee applies.

MUS-251. Sound Reinforcement. 3 Credits.
LECT 3 hrs
Sound Reinforcement introduces students to the set-up and use of equipment for live sound events ranging from musical performances to musical theater. Students learn first-hand about sound system set up and operation. Sound Reinforcement provides students a well-rounded and practical audio education that prepares them for professional work in the audio industry.
Prerequisites: MUS-165.
MUS-253. Independent Study in Music II. 1 Credit.
LECT 1 hr
For Music Emphasis students only. Independent Study in Music is designed to allow the student who has a specialized interest or who is pursuing a topic at an advanced level to engage in rigorous individualized study. The study plan must be designed by the student and a faculty member and must be approved by the department chair.
Prerequisites: Permission of department chair
Additional Fees: Course fee applies.

MUS-254. Independent Study in Music III. 1 Credit.
LECT 1 hr
For Music Emphasis students only. Independent Study in Music is designed to allow the student who has a specialized interest or who is pursuing a topic at an advanced level to engage in rigorous individualized study. The study plan must be designed by the student and a faculty member and must be approved by the department chair.
Prerequisites: Permission of department chair
Additional Fees: Course fee applies.

MUS-255. Independent Study in Music IV. 1 Credit.
LECT 1 hr
For Music Emphasis students only. Independent Study in Music is designed to allow the student who has a specialized interest or who is pursuing a topic at an advanced level to engage in rigorous individualized study. The study plan must be designed by the student and a faculty member and must be approved by the department chair.
Prerequisites: Permission of department chair
Additional Fees: Course fee applies.

MUS-258. Contemporary Music: 20th-21st Century. 3 Credits.
LECT 3 hrs
A study of the musical trends, idioms, styles and aesthetics of the Classical Music, Jazz, Rock, Latin Music, and Film Music of the 20th and 21st centuries. In addition to the study of the literature, students will be broadly educated on the fundamental elements of music including melody, harmony, counterpoint, musical forms, texture and orchestration. Students may be invited to contribute subject matter by bringing personally favored music of the 20th and 21st centuries to be studied, analyzed and discussed.

MUS-259. Hard Disc Recording. 2 Credits.
LECT 1 hr, LAB 3 hrs
Students learn about the operation and application of AVID Pro Tools hard disk recording and editing software. Topics include signal flow and routing, editing, fades and cross fades, digital signal processing, mixing, and automation.
Prerequisites: MUS-165, MUS-167 and MUS-180 or MUS-165, MUS-112 and MUS-124
Additional Fees: Course fee applies.

MUS-291. Special Topics in Music. 3 Credits.
LECT 3 hrs
A broad-based review of musical topics ranging from a continuation of sight singing, ear training and keyboard harmony to technology-based courses such as Live Sound, and Music for Film.
Prerequisites: Permission of department chair.

MUS-292. Special Topics in Music. 3 Credits.
LECT 3 hrs
A broad-based review of musical topics ranging from a continuation of sight singing, ear training and keyboard harmony to technology-based courses such as Live Sound, and Music for Film.
Prerequisites: Permission of department chair.