Music and Health, B.S.

Music and Health

• Bachelor of Science

Nature of the Program

This Bachelor of Science in Music and Health aims to provide an opportunity for students to pursue concentrated studies in music while also completing the requirements for graduate study in one of several tracks. The major is intended for those who wish to study music as their undergraduate focus and then pursue a career in medicine, dentistry, occupational therapy, physical therapy or as a physician assistant, and/or those who would like to continue practicing music professionally while also enjoying a career in the health sciences.

Admissions

Acceptance into an undergraduate music degree program is contingent upon both admission to WVU as an undergraduate student and a successful performance audition. Auditions are held from late fall through the early spring semester. For maximum scholarship consideration, students are encouraged to complete the application (including audition) before March 1. Dates of and details about auditions are available from the School of Music and on the website (http://music.wvu.edu/). Special accommodations may be made by contacting the School of Music at (304) 293-4532 or Music@mail.wvu.edu.

For admission consideration, all students must submit separate applications to the University and to the School of Music. The audition is a preliminary assessment of a student’s potential for success. For the Bachelor of Science in Music and Health, students must audition at a minimum performance level four. If a student is admitted, their standing is confirmed or revised after the first semester of study.

Students should own their own instrument under normal circumstances (except for piano) and a portable (folding) music stand.

Music majors can change from one music curriculum to another with faculty approval, particularly during the freshman or sophomore year, without significant loss of course credit. Students are encouraged to explore and follow the curriculum for which they are best qualified and in which they can achieve the greatest success. Evaluation of students’ work by the School of Music faculty informs these decisions. If students wish a broader, liberal arts-oriented program, they may pursue a Bachelor of Arts (BA) in Music.

Due to Covid-19 – Admission requirements may differ from what is listed on this page. Please review the most up-to-date program admission requirements for the School of Music (https://www.music.wvu.edu/academics/undergraduate-programs/).

ADMISSION REQUIREMENTS 2022-2023

The Admission Requirements above will be the same for the 2022-2023 Academic Year.

Major Code: 2544

General Education Foundations

Please use this link to view a list of courses that meet each GEF requirement. (http://registrar.wvu.edu/gef/)

NOTE: Some major requirements will fulfill specific GEF requirements. Please see the curriculum requirements listed below for details on which GEFs you will need to select.

General Education Foundations

<table>
<thead>
<tr>
<th>General Education Foundations</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>F1 - Composition &amp; Rhetoric</strong></td>
<td>3-6</td>
</tr>
<tr>
<td>ENGL 101 &amp; ENGL 102 or ENGL 103</td>
<td>Introduction to Composition and Rhetoric and Composition, Rhetoric, and Research Accelerated Academic Writing</td>
</tr>
<tr>
<td><strong>F2A/F2B - Science &amp; Technology</strong></td>
<td>4-6</td>
</tr>
<tr>
<td><strong>F3 - Math &amp; Quantitative Reasoning</strong></td>
<td>3-4</td>
</tr>
<tr>
<td><strong>F4 - Society &amp; Connections</strong></td>
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</tr>
<tr>
<td><strong>F5 - Human Inquiry &amp; the Past</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>F6 - The Arts &amp; Creativity</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>F7 - Global Studies &amp; Diversity</strong></td>
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<tr>
<td><strong>F8 - Focus (may be satisfied by completion of a minor, double major, or dual degree)</strong></td>
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<tr>
<td>Total Hours</td>
<td>31-37</td>
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</tbody>
</table>
Please note that not all of the GEF courses are offered at all campuses. Students should consult with their advisor or academic department regarding the GEF course offerings available at their campus.

## Curriculum Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td><strong>University Requirements</strong></td>
<td>30</td>
</tr>
<tr>
<td><strong>Music and Health Program Requirements</strong></td>
<td>22</td>
</tr>
<tr>
<td><strong>Music and Health Major Requirements</strong></td>
<td>68</td>
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<td><strong>Total Hours</strong></td>
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</table>

### University Requirements

General Education Foundations (GEF) 1, 2, 3, 4, 5, 6, 7, and 8 (31-37 Credits)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Outstanding GEF Requirements 1, 2, 3, 4, 5, 7, and 8</td>
<td>18</td>
</tr>
<tr>
<td>MUSC 191 First-Year Seminar</td>
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<tr>
<td>General Electives</td>
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<td><strong>Total Hours</strong></td>
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</table>

### Music and Health Program Requirements

Students must earn and maintain a minimum cumulative GPA of 3.0.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 161</td>
<td>Aural Theory 1</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 162</td>
<td>Written Theory 1</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 163</td>
<td>Aural Theory 2</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 164</td>
<td>Written Theory 2</td>
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<tr>
<td>Select one of the following:</td>
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</tr>
<tr>
<td>MUSC 111</td>
<td>Introduction to Music</td>
<td></td>
</tr>
<tr>
<td>MUSC 113</td>
<td>American Popular Music</td>
<td></td>
</tr>
<tr>
<td>MUSC 114</td>
<td>Music and the Immigrant Experience</td>
<td></td>
</tr>
<tr>
<td>MUSC 115</td>
<td>Introduction to History of Jazz</td>
<td></td>
</tr>
<tr>
<td>MUSC 116</td>
<td>Music in World Cultures</td>
<td></td>
</tr>
<tr>
<td>MUSC 118</td>
<td>Music in Appalachia</td>
<td></td>
</tr>
<tr>
<td>MUSC 189</td>
<td>Music Convocation</td>
<td>0</td>
</tr>
<tr>
<td>MUSC 261</td>
<td>Aural Theory 3</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 262</td>
<td>Written Theory 3</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 263</td>
<td>Aural Theory 4</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 264</td>
<td>Written Theory 4</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 270</td>
<td>History of Western Musical Traditions 1 (GEF 6)</td>
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</tr>
<tr>
<td>or MUSC 271</td>
<td>History of Western Musical Traditions 2</td>
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<td><strong>Total Hours</strong></td>
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### Music and Health Major Requirements

Students must earn and maintain a minimum cumulative GPA of 3.0.

**Health Track Electives**

Selection of health electives may be determined by the track a student selects.

A grade of C- or higher must be earned in all Health courses

- Medicine (MD) - 32 Credits
- Pharmacy (PharmD) - 38 Credits
- Physical Therapy (DPT) - 41 Credits
- Occupational Therapy (OTD) - 33 Credits
- Dentistry (DDS) - 40 Credits
- Physicians’ Assistant (MHS) - 34 Credits

<table>
<thead>
<tr>
<th>Applied Music</th>
<th>*minimum proficiency level 7 required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Music 100 level (MUSC 121-127D)</td>
<td>2 semesters</td>
</tr>
</tbody>
</table>

*minimum proficiency level 7 required
Applied Music 200 level (MUSC 221-227D) - 2 semesters 4
Applied Music 300 level (MUSC 321-327D) - 2 semesters 4

**Ensemble**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 300</td>
<td>Band: Wind Symphony</td>
</tr>
<tr>
<td>MUSC 300A</td>
<td>Band: Symphonic</td>
</tr>
<tr>
<td>MUSC 300B</td>
<td>Band: Marching</td>
</tr>
<tr>
<td>MUSC 302</td>
<td>University Choral Union</td>
</tr>
<tr>
<td>MUSC 303</td>
<td>Orchestra</td>
</tr>
<tr>
<td>MUSC 305</td>
<td>University Choir</td>
</tr>
<tr>
<td>MUSC 305A</td>
<td>University Choir: Concert</td>
</tr>
<tr>
<td>MUSC 353</td>
<td>Large Jazz Ensemble 1</td>
</tr>
<tr>
<td>MUSC 353A</td>
<td>Chamber Music: Large Jazz Ensemble 2</td>
</tr>
</tbody>
</table>

**Other Music Ensembles**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>MUSC 101</td>
<td>Band: Concert</td>
</tr>
<tr>
<td>MUSC 101A</td>
<td>Band: Varsity</td>
</tr>
<tr>
<td>MUSC 304</td>
<td>Introduction To Opera Theatre</td>
</tr>
<tr>
<td>MUSC 340</td>
<td>Chamber Music: Brass</td>
</tr>
<tr>
<td>MUSC 341</td>
<td>Chamber Music: Guitar</td>
</tr>
<tr>
<td>MUSC 342</td>
<td>Chamber Music: Piano-4 Hand</td>
</tr>
<tr>
<td>MUSC 343</td>
<td>Chamber Music: Strings</td>
</tr>
<tr>
<td>MUSC 344</td>
<td>Chamber Music: Woodwind</td>
</tr>
<tr>
<td>MUSC 345</td>
<td>Chamber Music: Vocal</td>
</tr>
<tr>
<td>MUSC 346</td>
<td>Chamber Music: Mixed Ensemble</td>
</tr>
<tr>
<td>MUSC 347</td>
<td>Chamber Music: Mountaineer Singers</td>
</tr>
<tr>
<td>MUSC 348</td>
<td>Chamber Music: New Music</td>
</tr>
<tr>
<td>MUSC 349A</td>
<td>Chamber Music: Brass Choir</td>
</tr>
<tr>
<td>MUSC 349C</td>
<td>Chamber Music: Other-Vocal Accompaniment</td>
</tr>
<tr>
<td>MUSC 349Z</td>
<td>Collegium Musicum</td>
</tr>
<tr>
<td>MUSC 351</td>
<td>Chamber Music: Percussion 1</td>
</tr>
<tr>
<td>MUSC 352</td>
<td>Chamber Music: Percussion 2</td>
</tr>
<tr>
<td>MUSC 353B</td>
<td>Chamber Music: Jazz Small Group</td>
</tr>
<tr>
<td>MUSC 353C</td>
<td>Chamber Music: Jazz Small Group 2</td>
</tr>
<tr>
<td>MUSC 353E</td>
<td>Chamber Music: Jazz and Ethnic</td>
</tr>
<tr>
<td>MUSC 353G</td>
<td>Chamber Music: Jazz Vocal Ensemble</td>
</tr>
<tr>
<td>MUSC 353H</td>
<td>Chamber Music: Jazz Other</td>
</tr>
<tr>
<td>MUSC 353I</td>
<td>Chamber Music: Jazz Vocal Ensemble</td>
</tr>
<tr>
<td>MUSC 354</td>
<td>Chamber Music: Gamelan</td>
</tr>
<tr>
<td>MUSC 355</td>
<td>Chamber Music: Steel Band 1</td>
</tr>
<tr>
<td>MUSC 356</td>
<td>Chamber Music: African</td>
</tr>
<tr>
<td>MUSC 357</td>
<td>Chamber Music: Brazilian</td>
</tr>
<tr>
<td>MUSC 358</td>
<td>Chamber Music: Ethnic</td>
</tr>
<tr>
<td>MUSC 359</td>
<td>Chamber Music: Taiko</td>
</tr>
<tr>
<td>MUSC 361</td>
<td>Fife and Drum Ensemble</td>
</tr>
<tr>
<td>MUSC 363</td>
<td>Appalachian Music Ensemble</td>
</tr>
<tr>
<td>MUSC 492</td>
<td>Directed Study</td>
</tr>
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</table>

**MUSC Electives** 12

**Total Hours** 68

* **Applied Music Requirement**: Students must attain a proficiency level suitable for public performance (at least level seven) on their major principal instrument. If the student does not make satisfactory progress in achieving the expected performance proficiency, the student will be dismissed. Students will be admitted with a minimum applied audition level of 4, take six semesters of applied study at 2 credits each, and earn an exit level of 7.
** Major Ensemble Requirement:** Students are required to participate in a Major Ensemble a minimum of four semesters.

*** Students who do not meet these requirements will be dismissed from the program. All students must complete 10 hours of community service per year.

## Suggested Plan of Study

### First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC Music Ensemble</td>
<td>1</td>
<td>1 MUSC Music Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 121-127D Applied Music</td>
<td>2</td>
<td>2 MUSC 121-127D Applied Music</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 191</td>
<td>2</td>
<td>2 MUSC 189</td>
<td>0</td>
</tr>
</tbody>
</table>
| GEF, Health Track, or General Elective | 11 | 1 Select one of the following:  
MUSC 111                           | 3     |
MUSC 113                           |       |
MUSC 114                           |       |
MUSC 115                           |       |
MUSC 116                           |       |
MUSC 118                           |       |
ENGL 101 (GEF 1)                   | 3     |
GEF, Health Track, or General Elective | 8     |
|                                  | **16** |     | **17** |

### Second Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC Music Ensemble</td>
<td>1</td>
<td>1 MUSC Music Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 221-227D Applied Music</td>
<td>2</td>
<td>2 MUSC 221-227D Applied Music</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 162</td>
<td>2</td>
<td>2 MUSC 164</td>
<td>2</td>
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<tr>
<td>ENGL 102 (GEF 1)</td>
<td>3</td>
<td>3 GEF, Health Track, or General Elective</td>
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<tr>
<td>GEF, Health Track, or General Elective</td>
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<td></td>
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<td></td>
<td><strong>16</strong></td>
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<td><strong>13</strong></td>
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### Third Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MUSC Music Ensemble</td>
<td>1</td>
<td>1 MUSC Music Ensemble</td>
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<tr>
<td>MUSC 321-327D Applied Music</td>
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<tr>
<td>MUSC 161</td>
<td>2</td>
<td>2 MUSC 163</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 262</td>
<td>2</td>
<td>2 MUSC 264</td>
<td>2</td>
</tr>
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<td>GEF, Health Track, or General Elective</td>
<td>7</td>
<td>7 MUSC Elective</td>
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<td>GEF, Health Track, or General Elective</td>
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<td><strong>14</strong></td>
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<td><strong>13</strong></td>
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### Fourth Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC Music Ensembles</td>
<td>2</td>
<td>2 MUSC Music Ensembles</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 261</td>
<td>2</td>
<td>2 MUSC 189</td>
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<tr>
<td>MUSC 270 or 271 (GEF 6)</td>
<td>3</td>
<td>3 MUSC 263</td>
<td>2</td>
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<tr>
<td>MUSC 492 (Capstone)</td>
<td>2</td>
<td>2 MUSC Elective</td>
<td>3</td>
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<td>MUSC Elective</td>
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<td>GEF, Health Track, or General Elective</td>
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<tr>
<td></td>
<td><strong>15</strong></td>
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Total credit hours: 120
# Pre-Health Elective Tracks

## MEDICINE (MD)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 115</td>
<td>Principles of Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 116</td>
<td>Principles of Biology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 117</td>
<td>Introductory Physiology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 118</td>
<td>Introductory Physiology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 115 &amp; 115L</td>
<td>Fundamentals of Chemistry and Fundamentals of Chemistry 1 - Laboratory (GEF 8)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 116 &amp; 116L</td>
<td>Fundamentals of Chemistry and Fundamentals of Chemistry 2 - Laboratory (GEF 8)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 233 &amp; CHEM 235</td>
<td>Organic Chemistry and Organic Chemistry Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 234 &amp; CHEM 236</td>
<td>Organic Chemistry and Organic Chemistry Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 101</td>
<td>Introductory Physics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 102</td>
<td>Introductory Physics</td>
<td>4</td>
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<tr>
<td><strong>Total Hours</strong></td>
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## PHARMACY (PHARMD)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 115 &amp; BIOL 116</td>
<td>Principles of Biology and Principles of Biology Laboratory (GEF 2)</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 117 &amp; BIOL 118</td>
<td>Introductory Physiology and Introductory Physiology Laboratory (GEF 8)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 233 &amp; CHEM 235</td>
<td>Organic Chemistry and Organic Chemistry Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 234 &amp; CHEM 236</td>
<td>Organic Chemistry and Organic Chemistry Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>STAT 211 or ECON 225</td>
<td>Elementary Statistical Inference (GEF 3) or Elementary Business and Economics Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PSIO 241</td>
<td>Elementary Physiology</td>
<td>4</td>
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<tr>
<td>AGBI 410 or BIOC 339</td>
<td>Introductory Biochemistry or Introduction to Biochemistry</td>
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</tr>
<tr>
<td>MICB 200</td>
<td>Medical Microbiology</td>
<td>3</td>
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<tr>
<td>WVUE 270</td>
<td>Effective Public Speaking (GEF 4)</td>
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<tr>
<td>MATH 150 or MATH 155</td>
<td>Applied Calculus (GEF 8) or Calculus 1</td>
<td>3</td>
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<tr>
<td>ECON 201</td>
<td>Principles of Microeconomics (GEF 8)</td>
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<tr>
<td><strong>Total Hours</strong></td>
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## PHYSICAL THERAPY (DPT)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 101 &amp; BIOL 103</td>
<td>General Biology and General Biology Laboratory (GEF 2)</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 102 &amp; BIOL 104</td>
<td>General Biology and General Biology Laboratory (GEF 8)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 115 &amp; 115L</td>
<td>Fundamentals of Chemistry and Fundamentals of Chemistry 1 - Laboratory (GEF 8)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 116 &amp; 116L</td>
<td>Fundamentals of Chemistry and Fundamentals of Chemistry 2 - Laboratory (GEF 8)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 101</td>
<td>Introductory Physics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 102</td>
<td>Introductory Physics</td>
<td>4</td>
</tr>
<tr>
<td>STAT 211 or ECON 225</td>
<td>Elementary Statistical Inference (GEF 3) or Elementary Business and Economics Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 101</td>
<td>Introduction to Psychology (GEF 4)</td>
<td>3</td>
</tr>
<tr>
<td>Course</td>
<td>Title</td>
<td>Hours</td>
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<tr>
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</tr>
<tr>
<td>PSYC 241</td>
<td>Introduction to Human Development</td>
<td>3</td>
</tr>
<tr>
<td>PALM 205</td>
<td>Introduction to Human Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>PALM 206</td>
<td>Human Anatomy Laboratory</td>
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<tr>
<td>PSIO 441</td>
<td>Mechanisms of Body Function</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>or PSIO 241</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elementary Physiology</td>
<td>4</td>
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<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td><strong>41</strong></td>
</tr>
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**OCCUPATIONAL THERAPY (OTD)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PHYS 101</td>
<td>Introductory Physics (GEF 2)</td>
<td>4</td>
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<tr>
<td>STAT 211</td>
<td>Elementary Statistical Inference (GEF 3)</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 225</td>
<td>Elementary Business and Economics Statistics</td>
<td></td>
</tr>
<tr>
<td>PSYC 101</td>
<td>Introduction to Psychology (GEF 4)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 241</td>
<td>Introduction to Human Development (GEF 8)</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 281</td>
<td>Introduction to Abnormal Psychology (GEF 7)</td>
<td>3</td>
</tr>
<tr>
<td>PSIO 241</td>
<td>Elementary Physiology</td>
<td>4</td>
</tr>
<tr>
<td>OTH 201</td>
<td>Medical Terminology for Occupational Therapy</td>
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<tr>
<td>SOC 101</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>or ANTH 105</td>
<td>Introduction to Anthropology</td>
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<tr>
<td>OTH 400</td>
<td>Assistive Technology Practicum</td>
<td>3</td>
</tr>
<tr>
<td>PALM 205</td>
<td>Introduction to Human Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>PALM 206</td>
<td>Human Anatomy Laboratory</td>
<td>1</td>
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<tr>
<td>ULIB 101</td>
<td>Introduction to Library Research</td>
<td>2</td>
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<tr>
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<td><strong>Total Hours</strong></td>
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**DENTISTRY (DDS)**

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BIOL 101</td>
<td>General Biology</td>
<td>4</td>
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<tr>
<td>&amp; BIOL 103</td>
<td>and General Biology Laboratory (GEF 2)</td>
<td></td>
</tr>
<tr>
<td>BIOL 102</td>
<td>General Biology</td>
<td>4</td>
</tr>
<tr>
<td>&amp; BIOL 104</td>
<td>and General Biology Laboratory (GEF 8)</td>
<td></td>
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<tr>
<td>CHEM 115</td>
<td>Fundamentals of Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>&amp; 115L</td>
<td>and Fundamentals of Chemistry 1 - Laboratory (GEF 8)</td>
<td></td>
</tr>
<tr>
<td>CHEM 116</td>
<td>Fundamentals of Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>&amp; 116L</td>
<td>and Fundamentals of Chemistry 2 - Laboratory (GEF 8)</td>
<td></td>
</tr>
<tr>
<td>CHEM 233</td>
<td>Organic Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>&amp; CHEM 235</td>
<td>and Organic Chemistry Laboratory</td>
<td></td>
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<tr>
<td>CHEM 234</td>
<td>Organic Chemistry</td>
<td>4</td>
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<tr>
<td>&amp; CHEM 236</td>
<td>and Organic Chemistry Laboratory</td>
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</tr>
<tr>
<td>PHYS 101</td>
<td>Introductory Physics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 102</td>
<td>Introductory Physics</td>
<td>4</td>
</tr>
<tr>
<td>PALM 205</td>
<td>Introduction to Human Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>PALM 206</td>
<td>Human Anatomy Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BIOC 339</td>
<td>Introduction to Biochemistry</td>
<td>4</td>
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<tr>
<td>or AGBI 410</td>
<td>Introductory Biochemistry</td>
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<tr>
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<td><strong>Total Hours</strong></td>
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**PHYSICIAN ASSISTANT (PA)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BIOL 101</td>
<td>General Biology</td>
<td>4</td>
</tr>
<tr>
<td>&amp; BIOL 103</td>
<td>and General Biology Laboratory (GEF 2)</td>
<td></td>
</tr>
<tr>
<td>CHEM 115</td>
<td>Fundamentals of Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>&amp; 115L</td>
<td>and Fundamentals of Chemistry 1 - Laboratory (GEF 8)</td>
<td></td>
</tr>
<tr>
<td>CHEM 116</td>
<td>Fundamentals of Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>&amp; 116L</td>
<td>and Fundamentals of Chemistry 2 - Laboratory (GEF 8)</td>
<td></td>
</tr>
</tbody>
</table>
CHEM 233 & CHEM 235 or BIOC 339
Organic Chemistry and Organic Chemistry Laboratory or Introduction to Biochemistry

STAT 211 or ECON 225
Elementary Statistical Inference (GEF 3) or Elementary Business and Economics Statistics

PSYC 101
Introduction to Psychology (GEF 4)

PALM 205
Introduction to Human Anatomy

PALM 206
Human Anatomy Laboratory

PSIO 241
Elementary Physiology

MICB 200
Medical Microbiology

OTH 201
Medical Terminology for Occupational Therapy

Total Hours: 34

Major Learning Outcomes

MUSIC AND HEALTH

Students who earn the Bachelor of Science in Music and Health will:

1. perform as a soloist (vocal or instrumental) and as a member of a variety of ensembles, both traditional band, orchestra, choir as well as chamber, world music, jazz, and non-traditional ensembles that vary both in size and nature,

2. excel through challenging, methodical, and innovative practical training towards a career in a health profession while achieving creative music experiences,

3. provide musical and cultural offerings and promote health and wellness for the citizens of West Virginia, and

4. contribute to a diverse and inclusive culture that advances education, healthcare, and prosperity for all by providing access and opportunity; by advancing high-impact research; and by leading transformation in West Virginia and the world through local, state and global engagement.

COURSES

MUSC 100. Fundamentals of Music Theory. 1 Hour.
An online course designed to prepare students to enter MUSC 162 (Written Theory 1). The course focuses on basic musical concepts including notation of pitch and rhythm, intervals, scales and modes, and keys and key signatures.

MUSC 101A. Band: Varsity. 2 Hours.
(May be repeated for a maximum of 16 credit hours.).

MUSC 110. Fundamentals of Music. 3 Hours.
(Not open to music majors.) Introductory course designed to develop music reading skills through a systematic presentation of music notation and elementary compositional projects.

MUSC 111. Introduction to Music. 3 Hours.
Introductory course designed to develop an appreciation and understanding of the significance of music and to help the student develop intelligent listening habits.

MUSC 112. Great Composers in Performance. 3 Hours.
(Not open to music majors.) A study of significant composers and their music. Lectures, in-class musical presentations, concert and rehearsal attendance will: (1) explore relationship of music to the development of society, (2) develop appropriate critical analysis and listening skills.

MUSC 113. American Popular Music. 3 Hours.
Introduction of history and development of American popular music.

MUSC 114. Music and the Immigrant Experience. 3 Hours.
A survey of music in North America, reflecting the diversity and multicultural character of music-making, emphasizing style, cultural context, and values attached to music as part of the immigrant experience.

MUSC 115. Introduction to History of Jazz. 3 Hours.
An Introduction to Jazz, its characteristics, important performers, and their music, including an historical survey with attention to the changing style of the music.

MUSC 116. Music in World Cultures. 3 Hours.
Examination of music from various cultures (e.g. Native America, South India, Japan, Africa) within their cultural contexts.

MUSC 118. Music in Appalachia. 3 Hours.
Survey of traditional instrumental and vocal music of southern Appalachia. History, style characteristics, and performance techniques involving live and recorded examples emphasizing those found in West Virginia.
MUSC 119. Applied Music: Pipe Organ. 1-4 Hours. 
(May be repeated for credit.) Audition for placement required. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 120. History of Musical Theatre. 3 Hours. 
This course explores American musical theatre, one of this country’s primary contributions to world culture, covering its origins, components, and its major creative figures.

MUSC 121A. Applied Music: Horn. 1-4 Hours. 
Audition for placement required. (May be repeated for a maximum of 8 hr.) Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 121B. Applied Music: Trombone. 1-4 Hours. 
Audition for placement required. (May be repeated for max of 8 hr.) Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 121C. Applied Music: Trumpet. 1-4 Hours. 
Audition for placement required. (May be repeated for max of 8 hr.) Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 121D. Applied Music: Tuba. 1-4 Hours. 
Audition for placement required. (May be repeated for a max of 8 hr.) Credit and length of lesson varies dependent on curriculum Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 122. Applied Music: Jazz. 1-4 Hours. 
Audition for placement required. (May be repeated for a max of 8 hr.) Weekly lesson and attendance at the jazz seminar addressing issues related to jazz performance, technology, pedagogy, and business aspects of music.

MUSC 123A. Applied Music: Organ. 1-4 Hours. 
Audition for placement required. (May be repeated for a max of 8 hr.) Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 123B. Applied Music: Piano. 1-4 Hours. 
Audition for placement required. (May be repeated for a max of 8 hr.) Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 124A. Applied Music: Drum Set. 1-4 Hours. 
Audition for placement required. (May be repeated for a max of 8 hr.) Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 125A. Applied Music: Guitar. 1-4 Hours. 
Audition for placement required. (May be repeated for a max of 8 hr.) Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 125B. Applied Music: String Bass. 1-4 Hours. 
Audition for placement required. (May be repeated for a max of 8 hr.) Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 125C. Applied Music: Viola. 1-4 Hours. 
Audition for placement required. (May be repeated for a max of 8 hr.) Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 125D. Applied Music: Violin. 1-4 Hours. 
Audition for placement required. (May be repeated for a max of 8 hr.) Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 125E. Applied Study: Harp. 1-4 Hours. 
Private instruction of solo, ensemble and orchestral harp repertoire. Students learn the proper techniques of harp playing, develop effective practice skills, critical musical thinking, and musical expression. Harp students perform in at least one school ensemble each semester. Audition required to be admitted to the course.

Audition for placement required. (May be repeated for a max of 8 hr.) Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 127A. Applied Music: Clarinet. 1-4 Hours. 
Audition for placement required. (May be repeated for a max of 8 hr.) Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 127B. Applied Music: Flute. 1-4 Hours. 
Audition for placement required. (May be repeated for a max of 8 hr.) Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.
MUSC 127C. Applied Music: Oboe. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 127D. Applied Music: Saxophone. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 129. Music Technology 1: GarageBand. 1 Hour.
This course will provide an overview of Apple's GarageBand software, the fundamental recording techniques, and music production vocabulary, through video lectures and hands-on experience.

MUSC 130. Piano Class Level 0. 1 Hour.
MUSC 131. Piano Class Level 1/2. 1 Hour.
Audition for placement is required.

MUSC 132. Piano Class Level 1. 1 Hour.
Audition for placement is required.

MUSC 133. Piano Class Level 1 1/2. 1 Hour.
Audition for placement is required.

MUSC 134. Piano Class Level 2-2 1/2. 1,2 Hour.
(May be repeated for credit.) Audition for placement is required.

MUSC 136. Guitar Class 1. 1 Hour.
(May be repeated for credit.)

MUSC 137. Music Therapy Class Guitar 1. 1 Hour.
Required introductory level training in guitar for those majoring in the field of Music Therapy.

MUSC 138. Voice Class 1. 2 Hours.
(May be repeated for credit).

MUSC 139. Voice Class 2. 1,2 Hour.
PR: Consent. (May be repeated for a maximum of 4 credit hours.).

MUSC 150. Chamber Music: Freshman Percussion. 1 Hour.
(May be repeated for credit.) PR: Consent.

MUSC 151. Hip Hop Nation: Musical and Conceptual Foundations of a Cultural Revolution. 3 Hours.
In this course, we will investigate the origins of Hip Hop music and culture. We will explore the 5 Elements of Hip Hop (DJ-ing, emcee-ing, b-boying/b-boying, writing/graffiti, and knowing). We will investigate Hip Hop through multiple critical lenses as a musical genre, but also as an important and lasting socio-cultural phenomenon.

MUSC 152. Written Theory 1. 2 Hours.

MUSC 160. Introduction to Music Composition. 2 Hours.
PR: Consent. Development of creativity in musical composition. For music composition majors in their first year of college-level study. May be repeated for credit; max. 4 hr. (2 hr. lec.).

MUSC 161. Aural Theory 1. 2 Hours.
The four aural theory courses (MUSC 161, MUSC 163, MUSC 261, and MUSC 263) form a unit of instruction devoted to the development of aural skills such as sight-singing, melodic and harmonic dictation, identification of chords, chord progressions, modulations, and non-harmonic tones.

MUSC 162. Written Theory 1. 2 Hours.
Elementary theory (scales, keys, intervals, triads, and dominant seventh chords) and introduction to diatonic harmony (part-writing and analysis.).

MUSC 163. Aural Theory 2. 2 Hours.

MUSC 164. Written Theory 2. 2 Hours.
PR: MUSC 162. Continuation of MUSC 162. Diatonic harmony including part-writing, harmonization of melodies, and harmonic analysis with triads, seventh chords, secondary dominants, and modulation. Analysis of binary and ternary forms.

MUSC 165. Theory for Music Theatre 1. 2 Hours.
Basics of music theory, including intervals, rhythm, notation and musical vocabulary. Emphasis on acquiring these skills through sight singing.

MUSC 166. Theory for Music Theatre 2. 2 Hours.
PR: MUSC 166. Intermediate skills in music theory, including rhythmic syncopation, melodic chromaticism, and an introduction to basic harmony and lead sheets.

MUSC 169A. Diction for Singers: English. 2 Hours.
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in various languages. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.
MUSC 169B. Diction for Singers: Italian. 2 Hours.
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in various languages. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 169C. Diction for Singers: German. 2 Hours.
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in various languages. Other aspects of language that will aid comprehension of song, oratorio, and operatic texts considered.

MUSC 169D. Diction for Singers. 2 Hours.
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid comprehension of song, oratorio, and operatic texts considered.

MUSC 169E. Diction for Singers. 2 Hours.
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 169F. Diction for Singers. 2 Hours.
(May be repeated for credit, max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 169G. Diction for Singers. 2 Hours.
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 169H. Diction for Singers. 2 Hours.
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 169I. Diction for Singers. 2 Hours.
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 169J. Diction for Singers. 2 Hours.
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 169K. Diction for Singers. 2 Hours.
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 169L. Diction for Singers. 2 Hours.
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 169M. Diction for Singers. 2 Hours.
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 169N. Diction for Singers. 2 Hours.
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 169O. Diction for Singers. 2 Hours.
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 169P. Diction for Singers. 2 Hours.
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 169Q. Diction for Singers. 2 Hours.
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 169R. Diction for Singers. 2 Hours.
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 169S. Diction for Singers. 2 Hours.
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.
MUSC 169T. Diction for Singers. 2 Hours.  
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 169U. Diction for Singers. 2 Hours.  
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 169V. Diction for Singers. 2 Hours.  
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 169W. Diction for Singers. 2 Hours.  
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 169X. Diction for Singers. 2 Hours.  
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 169Y. Diction for Singers. 2 Hours.  
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 169Z. Diction for Singers. 2 Hours.  
(May be repeated for credit; max 8 hr.) PR: Consent. Phonetics, phonetic symbols, and pronunciation in singing in alternating semesters in English, Italian, Latin, Spanish, German, and French. Other aspects of language that will aid in comprehension of song, oratorio, and operatic texts considered.

MUSC 180. Introduction to Music Education. 1 Hour.  
Introduction to purposes of school music education, students as learners, content and structure of school music programs, and music teacher knowledge and skills.

MUSC 181. Fundamental Music Skills. 2 Hours.  
(Not open to music majors.) Development of skills for future classroom teachers. Basic understanding of rhythm, dynamics, tone color, pitch, and form.

MUSC 182. Music in the Elementary School. 2 Hours.  
(Not open to music majors.) Development of fundamental music skills and pedagogical strategies for integrating music into the elementary classroom.

MUSC 185. Introduction to Music Therapy. 3 Hours.  
This course provides an overview of the music therapy profession including: history, therapeutic approaches, clinical processes, populations served, and current professional issues. Readings, lectures, community engagement, clinical video observation and experience will allow you to examine general principles of music therapy and gain understanding regarding the use of music as a viable therapeutic medium across a variety of populations.

MUSC 189. Music Convocation. 0 Hours.  
(Required for all music majors for six semesters. May be repeated.) Faculty, guest artist, and student performances, lectures and forums on major musical issues and topics.

MUSC 191. First-Year Seminar. 1-3 Hours.  
Engages students in active learning strategies that enable effective transition to college life at WVU. Students will explore school, college and university programs, policies and services relevant to academic success. Provides active learning activities that enable effective transition to the academic environment. Students examine school, college and university programs, policies and services.

MUSC 200. Fundamentals of Conducting. 2 Hours.  
PR: MUSC 163 and MUSC 164. Basic conducting skills, including beat patterns, expressive gestures, cues, and the fermata; terminology; tempo changes; and the mechanics of score reading. Pre-requisite(s) and/or co-requisite(s) may differ on regional campuses.

MUSC 201. Conducting and Score Interpretation. 2 Hours.  
PR: MUSC 200 or consent. Development of techniques of score study; rehearsal preparation. Rehearsals of laboratory ensemble. Study of string, wind, and choral scores.

MUSC 202. Conducting and Rehearsing. 2 Hours.  
PR: MUSC 201 or consent. Intensive study of wind, choral, and orchestral scores, rehearsed by the laboratory ensemble. Conducting of a major performance ensemble in rehearsal.

MUSC 205. Clinical Foundations of Music Therapy. 3 Hours.  
PR: MUSC 185 with a grade of C- or better. This course discusses and demonstrates basic clinical foundations of the music therapy profession including treatment process, methods of delivery, considerations necessary in a therapeutic relationship, and the professional role of the music therapist.

MUSC 211. Freelance Career Skills for Musicians. 2 Hours.  
This course provides an introductory overview of many of the administrative and technical skills that most musicians will be required to employ throughout a career as a performer, teacher, or composer.
MUSC 221A. Applied Music: Horn. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Continuation of MUSC 121A. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 221B. Applied Music: Trombone. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Continuation of MUSC 121B. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 221C. Applied Music: Trumpet. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Continuation of MUSC 121C. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 221D. Applied Music: Tuba. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Continuation of MUSC 121D. Credit and lesson length varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 222. Applied Music: Jazz. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Continuation of MUSC 122. Credit and length of lesson varies Weekly lesson and attendance at the jazz seminar addressing issues related to jazz performance, technology, pedagogy, and business aspects of music.

MUSC 223A. Applied Music: Organ. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Continuation of MUSC 123A. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic, and pedagogical aspects of music.

MUSC 223B. Applied Music: Piano. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Continuation of MUSC 123B. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 224A. Applied Music: Drum Set. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Continuation of MUSC 124A. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 225A. Applied Music: Cello. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Continuation of MUSC 125A. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 225B. Applied Music: String Bass. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Continuation of MUSC 125B. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 225C. Applied Music: Viola. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Continuation of MUSC 125C. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 225D. Applied Music: Violin. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Continuation of MUSC 125D. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic, and pedagogical aspects of music.

MUSC 225E. Applied Study: Harp. 1-4 Hours.
PR: MUSC 125E. Private instruction of solo, ensemble and orchestral harp repertoire. Second year students learn basic techniques of harp playing, develop effective practice skills, critical musical thinking, and musical expression. Harp students perform in at least one school ensemble each semester. Successful completion of MUSC 125E is required to be admitted to the course.

Audition for placement required. (May be repeated for a max of 8 credit hours.) Continuation of MUSC 126. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 227A. Applied Music: Clarinet. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Continuation of MUSC 127A. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 227B. Applied Music: Flute. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Continuation of MUSC 127B. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 227C. Applied Music: Oboe. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Continuation of MUSC 127C. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 227D. Applied Music: Saxophone. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Continuation of MUSC 127D. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.
MUSC 230. Music Therapy Interventions for Children. 2 Hours.
PR: MUSC 185 and MUSC 205 with a minimum grade of C- in each and PR or CONC: MUSC 239. This course provides instruction in appropriate interventions when working with children and adolescents. Students will design and implement music therapy experiences for both individuals and groups.

MUSC 231. Music Therapy Interventions for Adults. 2 Hours.
PR: MUSC 230 and MUSC 239 with a grade of C- or better in each. This course provides instruction in appropriate interventions when working with adults. Students will design and implement music therapy experiences for both individuals and groups.

MUSC 236. Introduction to Recording Technology. 2 Hours.
Technology of recording and producing audio for broadcast and/or media release. Basics of acoustic sound and technology, recording methods, listening to and analysis of a variety of styles, and hands-on production work.

MUSC 237. Music Therapy Class Guitar 2. 1 Hour.
PR: MUSC 137 with a minimum grade of B-. Intermediate / advanced guitar techniques for those majoring in the field of Music Therapy.

MUSC 239A. Music Therapy Practicum 2. 1 Hour.
PR: MUSC 230 and MUSC 239 with a grade of C- or better in each and PR or CONC: MUSC 231. Supervised clinical training opportunities with clients and families of diverse backgrounds and needs in a variety of clinical settings. Students will learn how to apply clinical music therapy concepts and will further develop professional competencies.

MUSC 261. Aural Theory 3. 2 Hours.
PR: MUSC 163. Continuation of MUSC 163.

MUSC 262. Written Theory 3. 2 Hours.

MUSC 263. Aural Theory 4. 2 Hours.
PR: MUSC 261. Continuation of MUSC 261.

MUSC 266. Orchestration and Band Arranging. 2 Hours.
PR: MUSC 265. Study of characteristics of band and orchestral instruments and their use in scoring.

MUSC 280. Woodwind Instrument Pedagogy. 2 Hours.
Techniques of teaching woodwind instruments, including playing techniques, pedagogical techniques appropriate for young players, methods, materials, maintenance, and repairs.

MUSC 281. Brass Instrument Pedagogy. 2 Hours.
Techniques of teaching brass instruments, including playing techniques, pedagogical techniques appropriate for young players, methods, materials, maintenance, and repair.

MUSC 282. String Instrument Pedagogy. 2 Hours.
Techniques of teaching string instruments, including playing techniques, pedagogical techniques appropriate for young players, methods, materials, maintenance, and repair.

MUSC 283. Percussion Instrument Pedagogy. 2 Hours.
Techniques of teaching percussion instruments, including playing techniques, pedagogical techniques appropriate for young players, methods, materials, maintenance, and repair.
MUSC 284. Vocal Pedagogy. 2 Hours.
PR: MUSC 138 or MUSC 138 exemption. Techniques of voice culture; applicable to school choral activities and instruction of young singers.

MUSC 286. Advanced Jazz Improvisation. 2 Hours.
PR: MUSC 285 or consent. Continuation of MUSC 285. Analysis of chord progressions with emphasis on chord substitutions, turnbacks, and scales. Development of jazz repertoire through performance.

MUSC 293. Special Topics. 1-6 Hours.
PR: Consent. Investigation of topics not covered in regularly scheduled courses.

MUSC 298. Honors. 1-3 Hours.
PR: Student in Honors Program and consent by the honors director. Independent reading, study or research.

MUSC 300A. Band: Symphonic. 2 Hours.
(May be repeated for a maximum of 16 credit hours.)

MUSC 300B. Band: Marching. 2 Hours.
(May be repeated for a maximum of 16 credit hours.)

MUSC 302. University Choral Union. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.)

MUSC 303. Orchestra. 2 Hours.
PR: Consent. (May be repeated for a maximum of 16 credit hours.) University community symphony orchestra, opera orchestra, musical theater orchestra.

MUSC 304. Introduction To Opera Theatre. 1 Hour.
PR: Consent. (May be repeated for a maximum of 4 credit hours.) Practical work in the development of basic lyric theatre stage technique through movement studies, and in-class, studio performances of operatic scenes.

MUSC 305A. University Choir: Concert. 2 Hours.
PR: Consent. (May be repeated for a maximum of 16 credit hours.)

MUSC 311. Introduction to Jazz Improvisation. 2 Hours.
PR:MUSC 163 and MUSC 164 or consent. Development of improvisatory skills in the jazz idiom using melodic, harmonic, and rhythmic motives and patterns, and the application of knowledge of tonal centers, chord progressions, and junctions.

MUSC 312. WVU Tech Singers. 1 Hour.
PR: Consent. Sing choral music with emphasis on pops music. Members are invited to sing by the conductor. Previous vocal and/or choral experience is recommended.

MUSC 313. Advanced Jazz Improvisation. 2 Hours.
PR: MUSC 311 or consent. Continuation of MUSC 311. Analysis of chord progressions with emphasis on chord substitutions, turnbacks, and scales. Development of jazz repertoire through performance.

MUSC 321A. Applied Music: Horn. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Continuation of MUSC 221A. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 321B. Applied Music: Trombone. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Continuation of MUSC 221B. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 321C. Applied Music: Trumpet. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Continuation of MUSC 221C. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 321D. Applied Music: Tuba. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 221D. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 322. Applied Music: Jazz. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hr.) Continuation of MUSC 222. Weekly lesson and attendance at the jazz seminar addressing issues related to jazz performance, technology, and business aspects of music.

MUSC 323A. Applied Music: Organ. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 223A. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 323B. Applied Music: Piano. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 223B. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.
MUSC 324A. Applied Music: Drum Set. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 224A. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 325A. Applied Music: Guitar. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 225A. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic, and pedagogical aspects of music.

MUSC 325B. Applied Music: String Bass. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 225B. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 325C. Applied Music: Viola. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 225C. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 325D. Applied Music: Violin. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 225D. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 325E. Applied Study: Harp. 1-4 Hours.
PR: MUSC 225E. Private instruction of solo, ensemble and orchestral harp repertoire. Third year students learn intermediate techniques of harp playing, develop effective practice skills, critical musical thinking, and musical expression. Harp students perform in at least one school ensemble each semester. Successful completion of MUSC 225E is required to be admitted to the course.

Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 226. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 327A. Applied Music: Clarinet. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 227A. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic, and pedagogical aspects of music.

MUSC 327B. Applied Music: Flute. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 227B. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 327C. Applied Music: Oboe. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 227C. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 327D. Applied Music: Saxophone. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 227D. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 328. Applied Lessons for Minors. 1,2 Hour.
PR: Audition or Consent. (May be repeated for a maximum of 16 credit hours.) Applied music lessons.

MUSC 330. Principles and Practices of Music Therapy. 3 Hours.
PR: Music Therapy Majors only and PR or CONC: MUSC 339. Course provides foundational principles and practices when serving clients with learning, neurological, motor, and medical issues, including but not limited to: Characteristics and needs; research literature on music therapy with these populations; applications to clinical work.

MUSC 331. Advanced Principles and Practices of Music Therapy. 3 Hours.
PR: Music Therapy Majors only; MUSC 330 with a minimum grade of C- and PR or CONC: MUSC 339A. Course provides continuation of foundational principles and practices when serving various client populations and discusses related professional issues, including but not limited to: advocacy; self-care; program development and related research literature.

MUSC 336. Introduction to Digital Audio Workstation. 3 Hours.
PR: MUSC 236 with a grade of C or higher. Principles of Digital Audio Workstations. Students will be introduced to the key audio and MIDI concepts required to complete a DAW project from set-up to final mix-down.

MUSC 337. Digital Audio Workstation Alternative. 3 Hours.
PR: MUSC 336 with a grade of C or higher. Students will be introduced to DAW alternative(s) from the primary DAW used in MUSC 336. Audio and MIDI concepts requires to complete a project from set-up to final mix-down.

MUSC 338. Sound-Games/Visual Media. 2 Hours.
PR: MUSC 336 with a grade of C or Higher. Provides students with some of the core skills and ideas required to implement audio in a video game or visual media.
MUSC 339A. Music Therapy Practicum 4. 1 Hour.
PR: MUSC 330 and MUSC 339 with a minimum grade of C- in each. Supervised clinical training opportunities with clients and families of diverse backgrounds and needs in a variety of clinical settings. Students will learn how to apply clinical music therapy concepts and will further develop professional competencies.

MUSC 340. Chamber Music: Brass. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 341. Chamber Music: Guitar. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 342. Chamber Music: Piano-4 Hand. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 343. Chamber Music: Strings. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 344. Chamber Music: Woodwind. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 345. Chamber Music: Vocal. 1 Hour.
PR: Consent (May be repeated for a maximum of 8 credit hours.).

MUSC 346. Chamber Music: Mixed Ensemble. 1 Hour.
PR: Consent (May be repeated for a maximum of 8 credit hours.).

MUSC 347. Chamber Music: Mountaineer Singers. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 348. Chamber Music: New Music. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 349A. Chamber Music: Brass Choir. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 349B. Chamber Music: Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hour.).

MUSC 349C. Chamber Music: Other-Vocal Accompaniment. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 349D. Chamber Music: Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 349E. Chamber Music: Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 349F. Chamber Music: Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 349G. Chamber Music: Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 349H. Chamber Music: Other. 1 Hour.
PR: Consent. (May be offered for a maximum of 8 credit hours.).

MUSC 349I. Chamber Music: Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 349J. Chamber Music: Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 349K. Chamber Music: Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 349L. Chamber Music: Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 349M. Chamber Music: Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 349N. Chamber Music: Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 349O. Chamber Music: Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).
MUSC 349P. Chamber Music: Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 349Q. Chamber Music: Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 349R. Chamber Music: Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 349S. Chamber Music: Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 349T. Chamber Music: Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 349U. Chamber Music: Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 349V. Chamber Music: Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 349W. Chamber Music: Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 349X. Chamber Music: Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 351. Chamber Music: Percussion 1. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 352. Chamber Music: Percussion 2. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 353A. Chamber Music: Large Jazz Ensemble 2. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 353B. Chamber Music: Jazz Small Group. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 353C. Chamber Music: Jazz Small Group 2. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 353E. Chamber Music: Jazz and Ethnic. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 353G. Chamber Music: Jazz Vocal Ensemble. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 353H. Chamber Music: Jazz Other. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 353I. Chamber Music: Jazz Vocal Ensemble. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 354. Chamber Music: Gamelan. 1 Hour.
PR: Consent. (May be repeated for a maximum of 4 credit hours.).

MUSC 355. Chamber Music: Steel Band 1. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).

MUSC 356. Chamber Music: African. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.) Performing ensemble focusing on music of Africa culminating in a semester concert.

MUSC 357. Chamber Music: Brazilian. 1 Hour.
PR: Consent. (May be repeated for a maximum of 4 credit hours.) Performing ensemble focusing on music of Brazil culminating in a semester concert.

MUSC 358. Chamber Music: Ethnic. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.).
MUSC 359. Chamber Music: Taiko. 1 Hour.
PR: Consent. (May be repeated for a maximum of 8 credit hours.) Performing ensemble focusing on Taiko music culminating in a semester concert.

MUSC 360. Composition. 2 Hours.

MUSC 361. Fife and Drum Ensemble. 2 Hours.
This course will explore the techniques, history, and performance practice of the fife and drum musical genre. Styles of music will include early American military calls, 19th-century fife and drum repertoire, and 20th-century West Virginian and Appalachian folk music. The ensemble uses traditional 6 hole fifes and rope tension snare and bass drums.

MUSC 362. Instrumentation and Orchestration. 3 Hours.
PR: MUSC 262 and MUSC 263. Study of the fundamentals of instrumentation and their application in the transcription, arranging, and orchestration of pre-existing musical compositions.

MUSC 363. Appalachian Music Ensemble. 1 Hour.
PR: Consent. Ensemble-based exploration of Appalachian musical traditions.

MUSC 364. Popular Music Analysis Seminar. 2 Hours.
PR: MUSC 262 with a minimum grade of C-. This course examines the use of music in film and video games. Students analyze film and video game music with techniques learned in previous levels of theory and new techniques specific to this genre. They also utilize composition to get a hands-on understanding of how media composition works.

MUSC 365. Composition and Analysis. 2 Hours.
PR: MUSC 262 with a minimum grade of C-. Students learn the craft of songwriting in this course. Students analyze selected songs from the 1700s to the present to understand the way the process of songwriting developed. They also study the ways in which the natural accents of speech and poetry line up with musical accents, learning how to effectively set text to music.

MUSC 366. Instrumental Methods and Technology Applications. 3 Hours.
PR: For music education majors, successful completion of all pre-professional requirements. Methods, materials, and administration of K-12 instrumental music programs and application of instructional technology. Bi-weekly laboratory.

MUSC 367. Choral Music Methods and Technology Applications. 3 Hours.
PR: For music education majors, successful completion of all pre-professional requirements. Methods, materials, and administration of K-12 choral music programs and application of instructional technology. Bi-weekly laboratory.

MUSC 368. General Music Methods and Technology Applications. 3 Hours.
PR: For music education majors, successful completion of all pre-professional requirements. Methods, materials, curriculum, and technology applications for elementary general music programs. Weekly practicum (arranged).

MUSC 369. Music Arranging for Public School Groups. 2 Hours.
PR: MUSC 262. Practical experience in techniques of making simple, workable arrangements of music for public school choral and instrumental performance groups.

MUSC 370. Survey of Wind Literature. 2 Hours.
PR: MUSC 177. This course traces the development of wind instrument literature from the Renaissance period to present day, with particular emphasis on the twentieth-century American wind band.

MUSC 371A. Special Topics. 1-6 Hours.
PR: Consent. Investigation of topics not covered in regularly scheduled courses.

MUSC 372. Opera Practicum. 1 Hour.
PR: MUSC 304 or consent. Practical work in all aspects of lyric theatre production. Advanced lyric theatre stage technique developed through preparation and performance of major and minor roles in opera productions.

MUSC 373. Introduction to Music Industry. 3 Hours.
Introductory overview of the music industry's history, business, technology, and law. Students will gain essential understanding and skills necessary for professional involvement and progress in the music industry.

MUSC 374. Intellectual Property in Music Industry. 3 Hours.
Regulatory frameworks and copyright law application and implementation as related to music industry systems. Tools and strategies used to identify, protect and manage intellectual property in the music industry. Topics include: domestic and international perspective of music ownership issues, music industry contracts, licensing, and the commercializing of intellectual property in music industry.

MUSC 375. Music Product Development and Placement. 3 Hours.
PR: MUSC 411. Key music product development and placement principles structures, and practices using today's music commerce mechanisms, techniques and technologies for publicity, product advancement, consumer research, and distribution. Design, implementation, control, and evaluation of effective music product market advancement and positioning.
MUSC 413. Live Music Industry. 3 Hours.
PR: MUSC 411. Regulations, standards, strategies, and methods of live music event planning, advancement, and implementation. Topics include:
talent and venue buying and deal structuring, budgeting, sponsorships, live sound production, music event contracts, licensing, publicity and placement, ticketing, and insurance.

MUSC 414. Recording Industry. 3 Hours.
PR: MUSC 411. Recording industry system development, markets, structures, commercial methods and strategies. Topics include: historical development of the recording industry; industry specific copyright regulations and commercial agreements; record company structures and models; recording production processes and technology; global music markets.

MUSC 415. Music Publishing. 3 Hours.
PR: MUSC 411. Development, commercial methods, scopes, and practices of the music publishing industry; copyrights acquisition, advancement, and protection. Topics include: history of the music publishing and related copyright regulations; royalties and licensing; performing rights; music publishing and television, film, commercials, musicals, video games, and other media; music publishing agreements; international music publishing.

MUSC 421A. Applied Music: Horn. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 321A. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 421B. Applied Music: Trombone. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 321B. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 421C. Applied Music: Trumpet. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 321C. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 421D. Applied Music: Tuba. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 321D. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 422. Applied Music: Jazz. 1-4 Hours.
Audition for Placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 322. Weekly lesson and attendance at jazz seminar addressing issues related to jazz performance, technology, pedagogy and business aspects of music.

MUSC 423A. Applied Music: Organ. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 323A. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 423B. Applied Music: Piano. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 323B. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 424A. Applied Music: Drum Set. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 324A. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 425A. Applied Music: Guitar. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 325A. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 425B. Applied Music: String Bass. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 325B. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 425C. Applied Music: Viola. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 325C. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 425D. Applied Music: Violin. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 325D. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 425E. Applied Study: Harp. 1-4 Hours.
PR: MUSC 325E. Private instruction of solo, ensemble and orchestral harp repertoire. Fourth year students learn advanced techniques of harp playing, develop effective practice skills, critical musical thinking, and musical expression. Harp students perform in at least one school ensemble each semester. Successful completion of MUSC 325E is required to be admitted to the course.

Audition for placement required. (May be repeated for a max of 8 credit hours.) Continuation of MUSC 326. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.
MUSC 427A. Applied Music: Clarinet. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 327A. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 427B. Applied Music: Flute. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 327B. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 427C. Applied Music: Oboe. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 327C. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 427D. Applied Music: Saxophone. 1-4 Hours.
Audition for placement required. (May be repeated for a max of 8 hours.) Continuation of MUSC 327D. Credit and length of lesson varies dependent on curriculum. Weekly lesson to develop technical, artistic and pedagogical aspects of music.

MUSC 430. Piano Class Methods and Materials. 3 Hours.
Methods, materials, and pedagogical techniques, including presentation of keyboard theory as used in functional piano. Practical organization of piano classes. Laboratory: Observation of experienced class teacher and student teaching.

MUSC 431. Survey of Keyboard Technique. 3 Hours.
This course surveys keyboard technique from the late Baroque to today. It explores the development of three “schools” or approaches to keyboard/piano playing, from the early finger technique to the use of the wrist and arm weight to weight relaxation and coordination. The course includes exploring treatises, literature, and current videos and other resources.

MUSC 432. Methods and Pedagogy. 2 Hours.
PR: Junior standing or consent.

MUSC 433. Methods and Pedagogy. 2 Hours.
PR: MUSC 432 or consent.

MUSC 434. Repertoire. 1-2 Hours.
Survey of solo, chamber, and when appropriate, orchestral literature, spanning the history of a single musical instrument or voice.

MUSC 435A. Repertoire: Piano. 2 Hours.

MUSC 435B. Repertoire: Other. 2 Hours.

MUSC 435C. Repertoire. 3 Hours.
An in-depth study of the standard operatic repertoire from the 17th Century to the present. Focus is on the development of the genre and the performance characteristics and styles.
MUSC 435D. Repertoire. 2 Hours.
MUSC 435E. Repertoire. 2 Hours.
MUSC 435F. Repertoire. 2 Hours.
MUSC 435G. Repertoire. 2 Hours.
MUSC 435H. Repertoire. 2 Hours.
MUSC 435I. Repertoire. 2 Hours.
MUSC 435J. Repertoire. 2 Hours.
MUSC 435K. Repertoire. 2 Hours.
MUSC 435L. Repertoire. 2 Hours.
MUSC 435M. Repertoire. 2 Hours.
MUSC 435N. Repertoire. 2 Hours.
MUSC 435O. Repertoire. 2 Hours.
MUSC 435P. Repertoire. 2 Hours.
MUSC 435Q. Repertoire. 2 Hours.
MUSC 435R. Repertoire. 2 Hours.
MUSC 435S. Repertoire. 2 Hours.
MUSC 435T. Repertoire. 2 Hours.
MUSC 435U. Repertoire. 2 Hours.
MUSC 435V. Repertoire. 2 Hours.
MUSC 435W. Repertoire. 2 Hours.
MUSC 435X. Repertoire. 2 Hours.
MUSC 435Y. Repertoire. 2 Hours.
MUSC 435Z. Repertoire. 2 Hours.

MUSC 436. Advanced Digital Audio Workstation Technology. 3 Hours.
PR: MUSC 336 with a grade of C or higher. Key audio and MIDI concepts required to operate a DAW in a professional environment.

MUSC 437. Practicum-Recording Technology. 4 Hours.
PR: MUSC 336 with a grade of C or higher. (May be repeated for a maximum of 8 credit hours.) Application of recording techniques learned in a professional environment.

MUSC 438. Operatic Styles and Repertory. 3 Hours.
An in-depth study of the standard operatic repertoire from the 17th Century to the present. Focus is on the development of the genre and the performance characteristics and styles.

MUSC 440A. Music Therapy Practicum 6. 2 Hours.
PR: Music Therapy Majors only; MUSC 331 and MUSC 339A with a minimum grade of C- in each. Supervised clinical training opportunities with clients and families of diverse backgrounds and needs in a variety of clinical settings. Students will learn how to apply clinical music therapy concepts and will further develop professional competencies.

MUSC 444. Psychological Foundation of Music. 3 Hours.
PR: Consent. This course provides students with understanding of how music influences human behavior, including but not limited to, physical, psychological, and physiological responses to various aspects of music and how responses are utilized in the therapeutic process.

MUSC 445. Evidence Based Practice in Music Therapy. 3 Hours.
PR: Music Therapy Majors only; MUSC 330 and MUSC 339 and MUSC 331 and MUSC 339A with a grade of C- or better in each. This course provides an academic study of various research methods in music therapy, the evidence base for effectiveness of music therapy interventions across populations, and professional communication and interpretation of research as it relates to clinical applications. Course includes reading, interpreting and conducting, research, including quantitative and qualitative methodologies, as related to evidence-based practice in music therapy.

MUSC 460A. Electronic Music Composition. 2 Hours.
PR: MUSC 465 and MUSC 466 or consent. Private composition lessons using computer and other electronic means. More advanced composition topics, depending on the student's level and personal interest. Past topics included: multi-channel audio, multimedia, interactive electronic compositions, synthesizer programming, programming in Max/MSP, film scoring, gaming composition, and commercial music. (May be repeated for a maximum of 12 credit hours.)

MUSC 461. Counterpoint. 2 Hours.
PR: MUSC 264 or consent. Sixteenth century counterpoint.
MUSC 462. Counterpoint. 2 Hours.
PR: MUSC 264 or consent. Eighteenth century counterpoint.

MUSC 463. Analysis of Eighteenth and Nineteenth Century Music. 3 Hours.
PR: MUSC 264 or consent. Detailed study of the materials and structure of European music of the eighteenth and nineteenth-centuries. (Alternate years.).

MUSC 464. Analysis of Twentieth Century Art Music. 3 Hours.
PR: MUSC 264 or consent. Detailed study of the materials and structure of Western Art Music of the twentieth century. (Alternate years.).

MUSC 465. Electronic Music. 2 Hours.
PR: MUSC 264 or consent. Technology of producing electronic music via MIDI sequencing. Basic electro-acoustic concepts; synthesizer programming techniques; listening and analyzing examples from electronic music literature; composition using MIDI sequencing, including synchronizing audio to video.

MUSC 466. Electronic Music-Digital Audio. 2 Hours.
PR: MUSC 262 or Consent. Production of electronic music using digital audio. Sampling, editing, and processing of sound via computer software programs; listening and analyzing examples from electronic music literature; sound creation and composition using digital audio workstations.

MUSC 467. Major Project in Theory, Composition, or Music History. 2 Hours.
(Not available for graduate credit.) PR: MUSC 264.

MUSC 468. Jazz Harmony. 2 Hours.
PR: MUSC 264 and MUSC 286 or consent. Advanced jazz theory and harmony. Ear training, keyboard skills, chord voicing, and substitutions.

MUSC 469. Counterpoint, 20th Century. 2 Hours.
PR: MUSC 262 with a minimum grade of C- or graduate status. Twentieth Century Counterpoint.

MUSC 470. European Music before 1500. 3 Hours.
PR: MUSC 271 or consent. A study of European sacred and secular monophonic and polyphonic traditions in their stylistic, historic, and social settings to the end of the fifteenth century.

MUSC 471. Music of the Sixteenth and Seventeenth Centuries. 3 Hours.
PR: MUSC 271 or consent. A study of European sacred and secular, instrumental and vocal traditions in their stylistic and social settings from c1500 to c1700.

MUSC 472. Music of the Eighteenth Century. 3 Hours.
PR: MUSC 271 or consent. A study of Western instrumental and vocal traditions in their stylistic, historic, and social settings from c1700 to c1800.

MUSC 473. Music of the Nineteenth Century. 3 Hours.
PR: MUSC 271 or consent. A study of Western instrumental and vocal traditions in their stylistic, historic, and social settings from c1800 to c1900.

MUSC 474. Twentieth and Twenty-First Century Music. 3 Hours.
PR: MUSC 271 or consent. A study of Western instrumental and vocal traditions in their stylistic, historic, and social settings from c1900 to the present.

MUSC 475. History of Jazz. 3 Hours.
PR: MUSC 271 or consent. History and repertory of jazz from its multicultural origins to the present with attention to its major exponents, evolving style, and cultural contexts.

MUSC 477. Music of Africa. 3 Hours.
Traditional music of selected areas of Africa south of the Sahara with particular reference to West Africa. The diverse musical cultures with emphasis on historical background, instruments, ensembles, forms, styles, and music in its social context.

MUSC 478. Coaching for Singers. 1 Hour.
PR: MUSC 126 and MUSC 226. This course consists of weekly or bi-weekly voice coaching targeted to specific repertoire. It will provide in-depth work with the details of language pronunciation, phrasing, musical traditions, and presentation.

MUSC 480. Arranging for Small Jazz Ensemble. 2 Hours.
PR: MUSC 265. Emphasis on small ensembles comprising three to nine players.

MUSC 481. Arranging for Large Jazz Ensemble. 2 Hours.
PR: MUSC 480 or consent. Continuation of MUSC 480, with emphasis on arranging for big band and studio jazz ensemble.

MUSC 485. Music Therapy Internship. 2-12 Hours.
PR: Music Therapy Majors Only and Consent. Students will complete a minimum of 900 hours of supervised clinical training at either an AMTA-approved National Roster Internship Site or a University-affiliated Internship site.

MUSC 487. Student Teaching Seminar. 2 Hours.
On-campus capstone seminar designed as a companion to music education students culminating semester-long teaching internship. Examination of student teachers professional roles and responsibilities in K-12 music programs.

MUSC 488. Recital. 2 Hours.
(Not available for graduate credit.) To be used to fulfill the applied major graduation requirement only when the student has achieved proficiency level nine. Students who have reached level six may receive one hour credit, which may not be used to fulfill the graduation recital requirement.
MUSC 489A. Music Workshops. 2 Hours.
(May be repeated for credit.)

MUSC 489B. Music Workshops. 2 Hours.
(May be repeated for credit.)

MUSC 490. Teaching Practicum. 1-3 Hours.
PR: Consent. Teaching practice as a tutor or assistant.

MUSC 491. Professional Field Experience. 1-18 Hours.
PR: Consent. (May be repeated up to a maximum of 18 hours.) Prearranged experiential learning program, to be planned, supervised, and evaluated for credit by faculty and field supervisors. Involves temporary placement with public or private enterprise for professional competence development.

MUSC 492. Directed Study. 1-3 Hours.
Directed study, reading, and/or research.

MUSC 493. Special Topics. 1-6 Hours.
PR: Consent. Investigation of topics not covered in regularly scheduled courses.

MUSC 494. Seminar. 1-3 Hours.
PR: Consent. Presentation and discussion of topics of mutual concern to students and faculty.

MUSC 495. Independent Study. 1-6 Hours.
Faculty supervised study of topics not available through regular course offerings.

MUSC 496. Senior Thesis. 1-3 Hours.
PR: Consent.

MUSC 497. Research. 1-6 Hours.
Independent research projects.

MUSC 498. Honors. 1-3 Hours.
PR: Students in Honors Program and consent by the honors director. Independent reading, study, or research.

MUSC 499. Global Service Learning. 1-3 Hours.
PR: Consent. Theory and practice of global service-learning. The main objective will be to pair the experiential aspects of meaningful and sustained service in the host community with work from the student’s anchor course by offering a methodological frame-work for cultural immersion and community service as well as adding to the content of the anchor course.