MUSIC SCIENCE AND TECHNOLOGY MINOR

Tulane's Music Science and Technology Minor Curriculum allows students to explore intersections between music, engineering, production, and computer programming, with a focus on the creative applications of technology in the creation of music. The program encourages creativity in technical research and in composition for various media and performance. Area objectives include developing innovative approaches to the scientific and artistic study of music composition, performance, and media, undertaking multidisciplinary research relevant to the creation and perception of music, and fostering an interdisciplinary culture between members of the fine arts, engineering, and science communities on campus.

Our students undertake projects in music signal processing, sound synthesis and analysis, computer/electro-acoustic music composition, intermedia, music performance systems design, electronic music history, and music perception. Our expanding computer music composition facilities include a dedicated teaching laboratory with eight student computer workstations. The music department maintains an up-to-date composition studio featuring professional level microphones, monitors, and controllers with 8.1 channel surround sound capabilities.

Requirements

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 1510</td>
<td>Harmony</td>
<td>3</td>
</tr>
<tr>
<td>APMS 2218</td>
<td>Composition</td>
<td>2</td>
</tr>
<tr>
<td>or APMS 2230</td>
<td>Composition for Electronic Media I</td>
<td></td>
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<tr>
<td>APMS 3213</td>
<td>Composition</td>
<td>2</td>
</tr>
<tr>
<td>or APMS 3230</td>
<td>Composition for Electronic Media II</td>
<td></td>
</tr>
<tr>
<td>APMS 2173</td>
<td>Instrumental Ensemble (2 semesters)</td>
<td>2</td>
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Choose from 4 of the following: 12 credits

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MUSC 1520</td>
<td>Advanced Harmony</td>
<td></td>
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<tr>
<td>MUSC 2300</td>
<td>Computer Apps In Music</td>
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<tr>
<td>MUSC 2310</td>
<td>Electronic Music History</td>
<td></td>
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<tr>
<td>MUSC 4400</td>
<td>Music &amp; Dsp</td>
<td></td>
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<tr>
<td>MUSC 4410</td>
<td>Music Performance System</td>
<td></td>
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<tr>
<td>MUSC 4420</td>
<td>Algorithmic &amp; Comp Music</td>
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<tr>
<td>MUSC 4950</td>
<td>Spec Topic In Musicology</td>
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Total Credit Hours 21

1 Pre-requisites and/or Co-requisites (see course descriptions)