MUSIC TECHNOLOGY AND COMPUTATION

Master's Programs in Music Technology and Computation (https://catalog-dev.mit.edu/interdisciplinary/graduate-programs/music-technology-computation)

Master of Science in Music Technology and Computation

Subject Requirements
The Master of Science in Music Technology and Computation requires a minimum of 68 units of subject credit and the completion of a thesis acceptable to the Music and Theater Arts Section.

Music Computation
Select three of the following subjects:

- 21M.583 Computational Music Theory and Analysis
- 21M.585 Interactive Music Systems
- 21M.587 Fundamentals of Music Processing
- 21M.589 Studies in Advanced Music Technology and Music Computation

Restricted Electives
Select 12 units from among the following subjects:

- 21M.517 MIT Laptop Ensemble
- 21M.560 Introduction to Music Technology
- 21M.561 Electronic Music Composition I
- 21M.562 Electronic Music Composition II
- 21M.569 Studies in Music Technology
- 21M.570 Digital Instrument Design
- 21M.572 Overview of Music Perception and Cognition
- 21M.573 Overview of Acoustics and the Physics of Sound
- 21M.574 Overview of Musical Software and Formats
- 21M.577 Overview of the Principles of Signals
- 21M.580[J] Musical Aesthetics and Media Technology
- 21M.731 Sound Design for Theater and Dance
- MAS.837 Principles of Electronic Music Interfaces

or additional subjects from Music Computation above

Elective
Select 12 units from the restricted electives listed above or, with permission of advisor, any other subjects in music, computation, engineering, or technology.

Colloquium

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>21M.590</td>
<td>Colloquium in Music Technology (taken twice)</td>
<td>2</td>
</tr>
</tbody>
</table>

Research Seminar

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>21M.595</td>
<td>Music Technology And Computation Research Seminar</td>
<td>6</td>
</tr>
</tbody>
</table>

Thesis Requirement

Students must complete research-based thesis on a topic of their choice that has been approved by the thesis supervisor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>21M.THG</td>
<td>Directed Research and Thesis in Music Technology and Computation</td>
<td>24</td>
</tr>
</tbody>
</table>

Total Units

92