

## 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: 36

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: 12

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 12**

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

#### Colloquium

21M.590	Colloquium in Music Technology (taken twice)	2
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#### Research Seminar

21M.595	Music Technology And Computation Research Seminar	6
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#### Thesis Requirement

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

21M.THG	Directed Research and Thesis in Music Technology and Computation	24
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**Total Units 92**