

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 Applied Science in Music Technology and Computation

Subject Requirements

The Master of Applied Science in Music Technology and Computation requires a minimum of 92 units of subject credit.

Foundation Subjects

21M.540	Musical Thinking	12
<i>One of the following, selected by the advisor at the time of admission:</i>		12

21M.541	Harmony and Counterpoint I with Computational Applications
21M.565	Programming for Music

A 12-unit Restricted Elective or Advanced Subject

Overviews

Select three of the following subjects in conjunction with the advisor: 12

21M.572	Overview of Music Perception and Cognition
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21M.573	Overview of Acoustics and the Physics of Sound
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21M.574	Overview of Musical Software and Formats
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21M.576	Overview of Mathematics for Music Applications
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21M.577	Overview of the Principles of Signals
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Restricted Elective

Select one of the following subjects: 12

21M.560	Introduction to Music Technology
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21M.561	Electronic Music Composition I
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21M.562	Electronic Music Composition II
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21M.569	Studies in Music Technology
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21M.570	Digital Instrument Design
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21M.580[[J]]	Musical Aesthetics and Media Technology
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21M.731	Sound Design for Theater and Dance
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MAS.837	Principles of Electronic Music Interfaces
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Advanced Subjects

Select two of the following subjects: 24

21M.583	Computational Music Theory and Analysis
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21M.585	Interactive Music Systems
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21M.587	Fundamentals of Music Processing
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21M.589	Studies in Advanced Music Technology and Music Computation
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Elective 12

Select 12 units from Restricted Electives, Overviews, or Advanced Subjects; 21M.517; or with permission of advisor, any other subjects in music, computation, or technology.

Colloquium

21M.590	Colloquium in Music Technology (taken twice)	2
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Capstone

21M.591	Capstone Project in Music Technology	6
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Total Units 92

Note:

Some required subjects may be exempted for students on the basis of successful performance on a diagnostic examination. In these cases, the units shall be substituted by an equal number of units from the Elective requirement.