# MUSIC TECHNOLOGY AND COMPUTATION

Master's Programs in Music Technology and Computation (*https://catalog.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.

| Core Requirements | | |
|---|---|---|
| *Select two of the following subjects:* | | 24 |
| 21M.569 | Studies in Music Technology | |
| 21M.583 | Computational Music Theory and Analysis | |
| 21M.585 | Interactive Music Systems | |
| 21M.586 | Algorithms and Interactions for Human-AI Music Making | |
| 21M.587 | Fundamentals of Music Processing | |
| **Restricted Electives** [1] | | **36** |
| *Select 36 units:* | | |
| 21M.517 | MIT Laptop Ensemble | |
| 21M.540 | Critically Thinking in Music | |
| 21M.560 | Introduction to Music Technology | |
| 21M.561 | Electronic Music Composition I | |
| 21M.562 | Electronic Music Composition II | |
| 21M.569 | Studies in Music Technology [2] | |
| 21M.570 | Digital Instrument Design | |
| 21M.580[J] | Musical Aesthetics and Media Technology | |
| 21M.583 | Computational Music Theory and Analysis [2] | |
| 21M.585 | Interactive Music Systems [2] | |
| 21M.586 | Algorithms and Interactions for Human-AI Music Making [2] | |
| 21M.587 | Fundamentals of Music Processing [2] | |
| 21M.589 | Studies in Advanced Music Technology and Music Computation | |
| 21T.523 | Sound Design | |
| MAS.837 | Principles of Electronic Music Interfaces | |
| **Colloquium** | | |
| 21M.590 | Colloquium in Music Technology [3] | 2 |
| **Research Seminar** | | |
| 21M.595 | Music Technology And Computation Research Seminar [3] | 6 |
| **Thesis** | | |
| 21M.THG | Graduate Thesis | 24 |
| **Total Units** | | **92** |

[1] With permission of advisor, other subjects in music, computation, engineering, or technology can be used to satisfy up to 24 units of restricted electives.

[2] Subject can fulfill either the core requirement or the elective requirement, but not both.

[3] Subject is taken twice.