

MUSIC TECHNOLOGY (BM)

NYSED: 08054 **HEGIS:** 1099.00 **CIP:** 40.0809

Program Description

The Bachelor of Music program in Music Technology provides a solid foundation in music, music technology, and the liberal arts to prepare graduates for a career in fields like sound recording and engineering, music production, electronic music, sound and music computing, hardware development, game audio, film and video sound post-production, and XR (AR/VR) systems. Students develop their skills through creative experimentation in a suite of state-of-the-art research and studio facilities and through interaction with faculty and leading technologists from the industry. Students intern at major recording studios, media companies, and performance venues in New York City.

Dual Degree

Students may also pursue a dual BM/MM Music Technology (<https://steinhardt.nyu.edu/degree/bm-mm-music-technology/>) option.

Admissions

New York University's Office of Undergraduate Admissions supports the application process for all undergraduate programs at NYU. For additional information about undergraduate admissions, including application requirements, see How to Apply (<https://www.nyu.edu/admissions/undergraduate-admissions/how-to-apply.html>).

This program requires an artistic portfolio (<https://steinhardt.nyu.edu/degree/bm-music-ma-music-education-grades-pk-12-initial-certification/how-apply/>) for admission.

Program Requirements

Course	Title	Credits
Liberal Arts Requirements		
<i>Foreign Language</i>		
Select four credits of a foreign language		4
<i>Expository Writing</i>		
EXPOS-UA 1	Writing The Essay:	4
ACE-UE 110	Advanced College Essay: Educ & The Professions	4
<i>Foundations of Contemporary Culture</i>		
Select one of the following:		4
Cultures and Contexts ¹		
Expressive Culture ¹		
Societies & Social Sciences ¹		
<i>Foundations of Scientific Inquiry</i>		
Math/Computer Science		4
Math/Computer Science		4
Physical Science or Life Science ¹		4
<i>Other Liberal Arts Requirements</i>		
MPATC-UE 1068	Music History II: Baroque & Classical	2
MPATC-UE 1077	Music History III	2
Select four credits of the following:		4
MPATC-UE 1067	Music History I (Select four credits from the following:)	

MPATC-UE 1078	Music History IV: Twentieth Century	
MPATC-UE 1505	The Performing Arts in Global Cultures	
MPAVP-UE 1351	Music Theatre Hist I	
MPAVP-UE 1352	Music Theatre Hist II	
MPATC-UE 1500	Film Music: Historical Aesthetics/Perspectives	
MPATC-UE 1195	Songwriting History and Criticism (14 Songs)	
MPATC-UE 1196	Songwriting History and Criticisms: 14 Songs	
MPAJZ-UE 1121	Jazz History	
<i>Liberal Arts Electives</i>		
Select four credits of Liberal Arts Electives		4
<i>Additional Requirements</i>		
SAHS-UE 1	New Student Seminar	0
Writing Proficiency Examination		0
Major Requirements		
<i>Music Core Requirements</i>		
MPATC-UE 1300	(based on placement exam)	2
MPATC-UE 1302	Aural Skills I: Global Approaches to Music	1
MPATC-UE 1301	Theory & Practice I: Global Approaches to Music	2
MPAPE-UE 72	Keyboard Skills I	1
MPAPE-UE 73	Keyboard Skills II	1
Private Instruction: Choose an instrument of your choice (Lessons are 2 or 3 credits per semester)		4-6
Performance Ensembles		4
Select 2 corequisite courses from the following Theory & Practice and Aural Skills courses:		4
MPATC-UE 1312 & MPATC-UE 1322	Theory & Practice II: Popular Music and Aural Skills II: Popular Music	
MPATC-UE 1322	Aural Skills II: Popular Music	
or MPATC-UE 1311	Theory & Practice II: Tonal Harmony & Voice Leading	
MPATC-UE 1321	Aural Skills II: Tonal Harmony & Voice Leading	
<i>Advanced Aural Skills</i>		
Select one course from the following:		1
MPATC-UE 1341		
MPATC-UE 1342	Advanced Aural Skills: Post Tonal and Extended Chromaticism	
MPATC-UE 1343	Advanced Aural Skills: Sight-Singing	
MPATC-UE 1344	Advanced Aural Skills: Popular Music Transcription	
<i>Advanced Theory and Practice</i>		
Select two courses from following:		4

MPATC-UE 1331	
MPATC-UE 1332	Advanced Theory & Practice: Post Tonal and Contemporary Music
MPATC-UE 1333	Advanced Theory & Practice: Non-Western Music
MPATC-UE 1334	Advanced Theory & Practice: Counterpoint in the Digital Age

Music Technology Core Requirements

MPATE-UE 1801	Fundamentals of Music Technology	2
MPATE-UE 1037	Elect Music Synthesis: Fundamental Techn	3
MPATE-UE 1047	Comp Music Synthesis: Fundamental Techniques	3
MPATE-UE 1817	Analog Electronics	3
MPATE-UE 1827	Analog Electronics Lab	1
MPATE-UE 1818	Digital Electronics	3
MPATE-UE 1828	Digital Electronics Lab	1
MPATE-UE 1001	Analog Recording Technology	3
MPATE-UE 1003	Digital Recording Technology	3
MPATE-UE 1010	Introduction to Audio for Video	2
MPATE-UE 1011	Concert Recording	2
MPATE-UE 1820	Internship in Music Technology	3
MPATE-UE 1900	Music Technology Undergraduate Capstone Project (1-credit course taken twice for a total of 2 credits)	2

Music Technology Guided Specialization

Select 17 credits by advisement, sample courses by areas of interest provided below.³

Recording and Production:

MPATE-UE 1005	Studio Production Techniques
MPATE-UE 1006	Applied Studio Production
MPATE-UE 1070	Software Music Production
MPATE-UE 1135	Mixing in the Digital Audio Workstation
MPATE-UE 1227	Aesthetics of Recording
MPATE-UE 1112	Live Sound Reinforcement

Area B: Hardware/Software

MPATE-UE 1008	Fund of Audio Tech I: Stu Maint (Hardware/Software:)
MPATE-UE 1009	Fund of Audio Tech II: Stu Maint
MPATE-UE 1014	Midi Technology II
MPATE-UE 1017	Electronic Product Design for Music and Audio
MPATE-UE 9055	Sound Design and Spatialization at IRCAM

Area C: Electronic Performance

MPATE-UE 1019	Electronic Music Performance (Electronic Performance:)
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MPATE-UE 1225	Applied Audio for Video
MPATE-UE 1633	Advanced Topics in Music Technology: Multichannel Media Installation and Performance
MPATE-GE 2031	Distributed Performance
MPATE-UE 1038	Global Electronic Music I

Unrestricted Electives

Select 17 Unrestricted Elective credits by advisement, for Double Majors, Minors, Music Electives⁴

Total Credits **128**

1

Steinhardt Liberal Arts Core (<http://steinhardt.nyu.edu/advisement/LAC/>)

2

Passing score on Comprehensive Exam in Theory & Aural Skills is required for completion.

3

Chosen by advisement.

4

Examples: Computer Science Double Major, Minor, BEMT minor, other minors, additional private instrument or composition lessons.

Sample Plan of Study

Course	Title	Credits
1st Semester/Term		
MPATC-UE 1300	based on placement exam	2
MPAXX-UE XX	Lesson	3
EXPOS-UA 1	Writing The Essay:	4
CORE-UA/CSCI-UA	Math/Comp Sci	4
MPATE-UE 1801	Fundamentals of Music Technology	2
MPATE-UE 1047 or MPATE-UE 1037	Comp Music Synthesis: Fundamental Techniques or Elect Music Synthesis: Fundamental Techn	3
Credits		16
2nd Semester/Term		
MPATC-UE 1301	Theory & Practice I: Global Approaches to Music	2
MPATC-UE 1302	Aural Skills I: Global Approaches to Music	1
MPAPE-UE 72	Keyboard Skills I	1
MPATC-UE XX	Music Hist Elective	2
ACE-UE 110	Advanced College Essay: Educ & The Professions	4
CORE-UA/CSCI-UA	Math/Comp Sci	4
MPATE-UE 1817 & MPATE-UE 1827	Analog Electronics and Analog Electronics Lab	4
Credits		18
3rd Semester/Term		
MPATC-UE 1311/1312	Theory & Practice II: Tonal Harmony & Voice Leading	2
MPATC-UE 1321/1322	Aural Skills II: Tonal Harmony & Voice Leading	1
MPAPE-UE 72	Keyboard Skills I	1
MPATC-UE 1068	Music History II: Baroque & Classical	2
CORE-UA 2xx/3xx	Natural Science	4
MPATE-UE 1818 & MPATE-UE 1828	Digital Electronics and Digital Electronics Lab	3
MPATE-UE 1001	Analog Recording Technology	3
Credits		16
4th Semester/Term		
MPATC-UE 1331		2
MPATC-UE 1341		1
MPATC-UE XX	Music Hist Elective	2

Foreign Language		4
Texts and Ideas		4
MPAXX-UE XX	Guided Spec	4
Credits		17
5th Semester/Term		
MPATC-UE 1332	Advanced Theory & Practice: Post Tonal and Contemporary Music	2
MPAXX-UE XX	Ensemble	2
MPATC-UE 1077	Music History III	2
MPATE-UE 1047 or MPATE-UE 1037	Comp Music Synthesis: Fundamental Techniques or Elect Music Synthesis: Fundamental Techn	3
MPATE-UE 1003	Digital Recording Technology	3
MPATE-UE 1010	Introduction to Audio for Video	2
MPAXX-UE XX	Guided Spec	3
Credits		17
6th Semester/Term		
MPAXX-UE XX	Lesson	3
MPAXX-UE XX	Ensemble	2
MPATE-UE 1011	Concert Recording	2
MPAXX-UE XX	Guided Spec	3
Unrestricted Electives		4
Unrestricted Electives		4
Credits		18
7th Semester/Term		
XXXX-UA	Liberal Arts Elect	4
MPATE-UE 1900	Music Technology Undergraduate Capstone Project	1
MPATE-UE 1820	Internship in Music Technology	3
MPAXX-UE XX	Guided Spec	2
Unrestricted Electives		3
Credits		13
8th Semester/Term		
MPATE-UE 1900	Music Technology Undergraduate Capstone Project (presentation)	1
MPAXX-UE XX	Guided Spec	3
MPAXX-UE XX	Guided Spec	3
Unrestricted Electives		3
Unrestricted Electives		3
Credits		13
Total Credits		128

Learning Outcomes

Upon successful completion of the program, graduates will:

1. Integrate their learned musicianship, ear training, and technological know-how to demonstrate a holistic approach to music technology.
2. Through presenting concrete examples of their work, demonstrate expertise and readiness to enter the field of music technology in one or more chosen areas of specialization including hardware/software design, electronic music, and/or audio engineering.
3. Demonstrate written and oral skills to effectively communicate concepts and ideas related specifically to music technology.

Policies

STEM OPT Benefits for International Students

If you're an international student, you may be able to work in the United States after graduation for an extended period of time. Most students studying on F-1 visas will be eligible for 12 months of Optional Practical Training (OPT) off-campus work authorization. F-1 students in this program may also be eligible for the STEM (Science, Technology,

Engineering, or Mathematics) OPT extension, allowing you to extend your time in the United States to pursue degree-related work experience for a total of 36 months or 3 years. For more information on who can apply for this extension visit NYU's Office of Global Services: STEM OPT (<http://www.nyu.edu/students/student-information-and-resources/student-visa-and-immigration/alumni/extend-your-opt/stem-opt.html>).

NYU Policies

University-wide policies can be found on the New York University Policy pages (<https://bulletins.nyu.edu/nyu/policies/>).

Steinhardt Academic Policies

Additional academic policies can be found the Steinhardt academic policies page (<https://bulletins.nyu.edu/undergraduate/culture-education-human-development/academic-policies/>).