Music with Concentration in Music Technology, BS (Boston)

The Bachelor of Science in Music with Concentration in Music Technology focuses on the interdisciplinary application of creative audio technologies to a broad range of outcomes, including analog/digital systems, hardware and software design, musical instrument design, audio synthesis and signal processing, human-computer interaction, and innovative artistic applications of music technology. Students receive fundamental training in music and music technology before embarking on curricular offerings that are in accordance with their interests. An emphasis is maintained throughout on imaginative exploration, collaboration across disciplines, and real-world experience.

Students in this major may double count only one course with requirements of a minor.

Program Requirements

Complete all courses listed below unless otherwise indicated. Also complete any corequisite labs, recitations, clinicals, or tools courses where specified and complete any additional courses needed beyond specific college and major requirements to satisfy graduation credit requirements.

Universitywide Requirements

All undergraduate students are required to complete the Universitywide Requirements (https://catalog.northeastern.edu/undergraduate/university-academics/university-wide-requirements/).

NUpath Requirements

All undergraduate students are required to complete the NUpath Requirements (https://catalog.northeastern.edu/undergraduate/university-academics/nupath/).

- NUpath requirements Creative Expression/Innovation (EI), Interpreting Culture (IC), and Analyzing and Using Data (AD) are met through the major course requirements.
- NUpath requirements Differences and Diversity (DD) and Formal and Quantitative Reasoning (FQ) may be met through electives in the major.
- NUpath requirements Natural and Designed World (ND), Societies and Institutions (SI), and Ethical Reasoning (ER) must be met through general electives.

General Music Requirements

Code	Title	Hours
Introduction to College		
MUSC 1000	Music at Northeastern	1
Music Theory Placement		
All students can take a music theory placement exam to place out of MUSC 1119. Students who place out of MUSC 1119 will substitute it with a general elective course.		
MUSC 1119	Fundamentals of Western Music Theory	4
Music Theory and Composition		
MUSC 1201	Music Theory 1	4
MUSC 1202	Music Theory 2	4
Complete two of the following:		8
MUSC 2111	Algebra and Geometry of Music	
MUSC 2420	Music Composition Seminar 1	
MUSC 2425	Arranging and Orchestration for Film, Media, and the Concert Stage	
MUSC 3300	Music Perception and Cognition	
MUSC 3541	Music Analysis Seminar	
Music in Context		
Complete one from each of these categories: western art music, global music/ethnomusicology, contemporary/popular music, and creative. Of the courses from western art music, global music/ethnomusicology, contemporary/popular music, at least two must be at the 2000 level or higher. Courses may not double count across these areas. Many, but not all, music in context courses at the 2000 level or higher fulfill the writing-intensive in the discipline requirement. Please check writing-intensive status of courses as needed.		
Introductory Class		
Complete one of the following:		4
MUSC 1001	Music in Everyday Life	
MUSC 1002 and MUSC 1003	Music in Everyday Life and Lab for MUSC 1002	
Western Art Music		

Complete one of the following:		4
MUSC 1100	Topics in Western Music	
MUSC 2105	Songs That Made History	
MUSC 2312	Topics in Western Art Music	
MUSC 2320	40,000 Years of Music Technology	
MUSC 2340	Divas, DJs, and Double Standards	
MUSC 2380	The World of Choral Music	
MUSC 3352	Sounding Human	
Global Music/Ethnomusicology		
Complete one of the following:		4
MUSC 1128	Music of Africa	
MUSC 1137	Topics in Diverse Musical Cultures	
MUSC 2101	Black Popular Music	
MUSC 2313	Topics in Global Music Cultures	
MUSC 2316	History of the Music Industry	
MUSC 2330	Musical Communities of Boston	
MUSC 2331	Topics in Musical Communities	
MUSC 2336	The Festival Experience	
MUSC 3353	Music and the Racial Imagination	
MUSC 3354	Sound and the Sacred	
MUSC 3355	Music, Noise, Silence	
MUSC 3360	Ethnography and the Arts	
MUSI 3210	Music Tourism	
MUSI 3351	Music and Social Justice	
MUSI 3360	Global Music Industries in Context	
MUSI 3401	Hip Hop in the Music Industry	
Contemporary/Popular Music		
Complete one of the following:		4
MUSC 1112	Jazz	
MUSC 1113	Film Music	
MUSC 1141	Wired for Sound	
MUSC 2101	Black Popular Music	
MUSC 2150	Making a Musical: Analysis, Craft, and Creation	
MUSC 2310	Popular Music Since 1945	
MUSC 2311	Topics in American Music	
MUSC 2317	Punk Rock	
MUSC 2320	40,000 Years of Music Technology	
MUSC 2336	The Festival Experience	
MUSC 2340	Divas, DJs, and Double Standards	
MUSC 2351	Music, Sound, and the Screen	
MUSC 2380	The World of Choral Music	
MUSC 3352	Sounding Human	
MUSC 3353	Music and the Racial Imagination	
MUSC 3354	Sound and the Sacred	
MUSI 3360	Global Music Industries in Context	
MUSI 3401	Hip Hop in the Music Industry	
Music Industry		
Complete one of the following, as long as prerequisites have been met:		4
MUSI 1230	Introduction to Music Industry	
MUSI 2235	Copyright in the Creative Industries	
MUSI 2331	Music Production and Recording 2	
Music Technology Requirements		
MUSC 2350	Acoustics and Psychoacoustics of Music	4
MUST 1220	Introduction to Music Technology	4

MUST 2102	Composing with Digital Technologies	4
MUST 2431	Computer Music Fundamentals	4
Music Technology Electives		
Complete three of the following:		12
MUSC 4510	Music and the Brain Research	
MUST 2320	Sound Design	
MUST 3300	Musical Interactions in Extended Reality	
MUST 3601	Digital Audio Signal Processing	
MUST 3602	Electronics for Music	
MUST 3603	Embedded Audio Programming	
MUST 3973	Special Topics in Music Technology	
MUST 4600	Digital Audio Signal Analysis	
MUST 4610	Composition for Electronic Instruments	
MUST 5973	Special Topics in Music Technology	
Capstone		
MUST 4611	Music Technology Capstone	4

Supporting Courses

Code	Title	Hours
College Elective		
Complete one of the following:		4
ARTD 2100	Narrative Basics	
ARTD 3480	Video: Sound and Image	
ARTF 2220	Movement and Time	
ARTF 2223	Experience and Interaction	
GAME 1110	Games and Society	
GAME 2500	Foundations of Game Design	
MSCR 1100	Film 101	
MSCR 1220	Media, Culture, and Society	
MSCR 3600	Film Theory	
THTR 1131	Introduction to Technical Theatre	
THTR 1270	Introduction to Theatrical Design	
THTR 2370	Lighting Design	

Music Credit and Grade Requirements

Complete 72 semester hours in the major.

Students must maintain at least a 2.667 GPA (B– average) in the requirements of the major. Students who fail to meet the above standards will be placed on departmental probation; those who remain on probation for two consecutive semesters will be dropped from the major.

Program Requirement

129 total semester hours required

Plan of Study
Sample Plans of Study

FOUR YEARS, TWO CO-OPS IN SPRING/SUMMER FIRST HALF

Year 1

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
ENGW 1111	4	MUSC 1201	4	CAMD elective	4	Vacation	
MUSC 1000	1	MUSC 2350	4	Elective	4		
MUSC 1001 or 1002 **and** 1003	4	Music in context course: Western	4				
MUSC 1119	4	EEAM 2000	1				
MUST 1220	4	Elective	4				
	17		**17**		**8**		**0**

Year 2

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
MUSC 1202	4	Co-op	0	Co-op	0	Elective (Dialogue of Civilization possible)	4
MUST 2431	4	Elective (online)	4	Elective (online)	4	Elective (Dialogue of Civilization possible)	4
Music in context course: Ethnomusicology	4						
Music theory/composition elective	4						
	16		**4**		**4**		**8**

Year 3

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
MUST 2102	4	Co-op	0	Co-op	0	Elective (Dialogue of Civilization possible)	4
Music industry elective	4					Elective (Dialogue of Civilization possible)	4
Music industry elective	4						
Music technology elective	4						
	16		**0**		**0**		**8**

Year 4

Fall	Hours	Spring	Hours
ENGW 3314	4	MUST 4611	4
Music technology elective	4	Elective	4
Music technology elective	4	Elective	4
Elective	4	Elective	4
	16		**16**

Total Hours: 130

FOUR YEARS, NO CO-OP

Year 1

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
ENGW 1111	4	MUSC 1202	4	Vacation		Vacation	
MUSC 1000	1	MUSC 2350	4				
MUSC 1002 and MUSC 1003	4	Music in context: Western	4				
MUSC 1201	4	Elective	4				
MUST 1220	4						
	17		**16**		**0**		**0**

Year 2

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
MUSC 2350	4	Music in context: Contemporary	4	Vacation		Vacation	
MUST 2102	4	Music theory/composition elective	4				
MUST 2431	4	Elective	4				
Elective	4	Elective	4				
	16		**16**		**0**		**0**

Year 3

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
Music in context: Ethnomusicological	4	CAMD elective	4	Vacation		Vacation	
Music industry elective	4	Elective	4				
Music technology elective	4	Elective	4				

Music technology elective	4	Elective	4		
	16		**16**	**0**	**0**

Year 4

Fall	Hours	Spring	Hours		
Music technology restricted elective	4	MUST 4611	4		
Elective	4	Elective	4		
Elective	4	Elective	4		
Elective	4	Elective	4		
	16		**16**		

Total Hours: 129