

Music Technology BS

Overview

The **Bachelor of Science in Music Technology** and its optional concentration in Interdisciplinary Studies are offered by the Department of Music Studies.

Music technology fuses musical skill and technological knowledge to create works, or to pursue employment or graduate education in an extremely wide variety of areas. Some of these include music production, performance, composition, recording and editing, software and hardware development, systems design, equipment installation, video gaming, music editing and publishing, as well as numerous audio fields such as recording and editing concerts, events, films, television and video games, among others. It is not an exaggeration to state that virtually every area of the music industry has been influenced by technology.

The Bachelor of Science degree in Music Technology offers a sequence of courses in general education, music, music performance, music studies, recording technology, music technology, mathematics and computer science. Students who complete the program will be prepared for entry level jobs in the field or to pursue graduate education in music technology at top graduate programs nationally.

Special Admissions Requirements

See Music Admissions information on the Boyer College of Music and Dance page.

Campus Location: Main

Program Code: BC-MUTE-BS

Contact Information

Edward Latham, Music Studies Department Chair
215-204-8498
elatham@temple.edu

Steven Kreinberg
215-204-8649
kreinberg@temple.edu

Learn more about the Bachelor of Science in Music Technology.

These requirements are for students who matriculated in academic year 2023-2024. Students who matriculated prior to fall 2023 should refer to the Archives to view the requirements for their Bulletin year.

Summary of Requirements

The Bachelor of Science in Music Technology is conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 124 credits.

University Requirements

- All students are required to complete the university's General Education (GenEd) curriculum.
- All students must take a minimum of two writing-intensive courses. The specific writing-intensive courses required for the major are MUST 3196 and either MUST 3696 or MUST 3796.

Program Requirements

Code	Title	Credit Hours
General Education courses		32
Music Theory		
MUST 1711	Theory I	4
MUST 1712	Theory II	4
MUST 2711	Theory III	4
MUST 2712	Theory IV	4
Secondary Piano		
MUSC 1405	Secondary Piano for Music Majors	1

MUSC 1406	Secondary Piano for Music Majors	1
MUSC 2405	Secondary Piano for Music Majors	1
MUSC 2406	Secondary Piano for Music Majors	1
Conducting		
MUSC 2323	Basic Conducting	1
MUSC 2324	Conducting Intermediate	1
Orchestration		
MUST 3713	Orchestration	3
Music History		
MUST 2703	Music in History	3
MUST 2704	Music in History	3
MUST 3196	History of Pop	3
MUST 3696	Music in History	3
or MUST 3796	Music in History	
Music Technology		
MUST 3763	Analog and Modular Sound Synthesis	3
MUST 3764	Scoring for Film and Digital Media	3
MUST 3765	Scoring and Audio Design for Video Games	3
MUST 4711	Computers in Musical Applications	3
MUST 4712	Computer Synthesis of Music	3
MUST 4713	Sound Recording	3
MUST 4714	Sound Editing	3
MUST 4730	Electronic Music Ensemble (Take 3 times for a total of 3 credits)	3
MUST 4882	Project in Music Technology	3
Music Technology Elective Courses		
Select at least one music course from the following list:		3
MUST 4706	Live Recording and Mixing for Broadcast	
MUST 4707	Computer Programming for Musicians	
MUST 4719	MIDI	
MUST 4721	Computer Music Studio	
MUST 4724	Printing Music Scores and Parts	
MUST 4725	Advanced Audio Production	
MUST 4727	Electronic Music Composition: Practice, History, Theory	
MUST 4732	Programming in Max	
MUST 4780	Special Topics Music Studies	
MUST 4785	Music Industry Internship	
MUST 4786	Music Industry Internship	
Mathematics Courses (prerequisite for Computer Science courses)		
MATH 1021	College Algebra ¹	4
MATH 1022	Precalculus ¹	4
Computer Science Courses (counted as part of the major)		
CIS 1051	Introduction to Problem Solving and Programming in Python	4
CIS 1068	Program Design and Abstraction	4
CIS 2229	Architecture, Operating Systems and Networking	4
Ensembles		
Pending a successful audition for the respective department, students may select any combination of the following ensembles at 1 credit each for a total of 2 credits. In subsequent semesters, up to 3 additional credits of ensemble (counted as General Studies Electives) may be taken with re-audition and departmental permission for a grand total of up to 5 credits of ensemble at 1 credit each.		2
MUSC 3100	Small Jazz Ensemble	
MUSC 3110	Large Jazz Ensemble	
MUSC 3300	Choral Ensemble	
MUSC 3510	Marching Band	

MUSC 4300	Concert Choir	
MUSC 4500	Instrumental Ensemble	
MUSC 4510	Instrumental Ensemble	
MUSC 4520	Ensemble	
MUST 4700	Latin Amer Mus Ensemble	
MUST 4710	Early Music Ensemble	

Electives		
General Studies Elective ²		3

Total Credit Hours		124
---------------------------	--	------------

1

Students placing beyond this level of mathematics through Placement Testing may take any course with advisor permission as an elective in lieu of this course.

2

Electives may be selected in any academic discipline.

Suggested Academic Plan

Bachelor of Science in Music Technology

Suggested Plan for New Students Starting in the 2023-2024 Academic Year

Year 1		
Fall		Credit Hours
MUSC 1405	Secondary Piano for Music Majors	1
Select one of the following: ¹		1
MUSC 3100	Small Jazz Ensemble	
MUSC 3110	Large Jazz Ensemble	
MUSC 3300	Choral Ensemble	
MUSC 3510	Marching Band	
MUSC 4300	Concert Choir	
MUSC 4500	Instrumental Ensemble	
MUSC 4510	Instrumental Ensemble	
MUSC 4520	Ensemble	
MUST 4700	Latin Amer Mus Ensemble	
MUST 4710	Early Music Ensemble	
MUST 1711	Theory I	4
MUST 4711	Computers in Musical Applications	3
ENG 0802	Analytical Reading and Writing	4
or ENG 0812	or Analytical Reading and Writing: ESL	
or ENG 0902	or Honors Writing About Literature	
GenEd Breadth Course		3
Credit Hours		16
Spring		
MUSC 1406	Secondary Piano for Music Majors	1
Select one of the following: ¹		1
MUSC 3100	Small Jazz Ensemble	
MUSC 3110	Large Jazz Ensemble	
MUSC 3300	Choral Ensemble	
MUSC 3510	Marching Band	
MUSC 4300	Concert Choir	
MUSC 4500	Instrumental Ensemble	
MUSC 4510	Instrumental Ensemble	
MUSC 4520	Ensemble	
MUST 4700	Latin Amer Mus Ensemble	

MUST 4710	Early Music Ensemble	
MUST 1712	Theory II	4
MUST 4713	Sound Recording	3
GenEd Quantitative Literacy Course ^{GQ}		4
GenEd Breadth Course		3
Credit Hours		16
Year 2		
Fall		
MUSC 2405	Secondary Piano for Music Majors	1
MUSC 2323	Basic Conducting	1
MUST 2711	Theory III	4
MUST 4714	Sound Editing	3
IH 0851 or IH 0951	Intellectual Heritage I: The Good Life or Honors Intellectual Heritage I: The Good Life	3
MATH 1021	College Algebra ²	4
Credit Hours		16
Spring		
MUSC 2406	Secondary Piano for Music Majors	1
MUSC 2324	Conducting Intermediate	1
MUST 2712	Theory IV	4
MUST 3763	Analog and Modular Sound Synthesis	3
IH 0852 or IH 0952	Intellectual Heritage II: The Common Good or Honors Intellectual Heritage II: The Common Good	3
MATH 1022	Precalculus ²	4
Credit Hours		16
Year 3		
Fall		
MUST 2703	Music in History	3
MUST 3764	Scoring for Film and Digital Media	3
MUST 3196	History of Pop	3
MUST 3713	Orchestration	3
MUST 4730	Electronic Music Ensemble	1
CIS 1051	Introduction to Problem Solving and Programming in Python	4
Credit Hours		17
Spring		
GenEd Breadth Course		3
CIS 1068	Program Design and Abstraction	4
MUST 2704	Music in History	3
MUST 3765	Scoring and Audio Design for Video Games	3
MUST 4712	Computer Synthesis of Music	3
MUST 4730	Electronic Music Ensemble	1
Credit Hours		17
Year 4		
Fall		
GenEd Breadth Course		3
GenEd Breadth Course		3
CIS 2229	Architecture, Operating Systems and Networking	4
MUST 3696 or MUST 3796	Music in History or Music in History	3
MUST 4730	Electronic Music Ensemble	1
Credit Hours		14

Spring		
GenEd Breadth Course		3
General Studies Elective ³		3
Music Technology Elective ⁴		3
MUST 4882	Project in Music Technology	3
Credit Hours		12
Total Credit Hours		124

1

Pending a successful audition for the respective department, students may select any combination of the following courses for a total of 2 credits: Small Jazz Ensemble (MUSC 3100), Large Jazz Ensemble (MUSC 3110), Choral Ensemble (MUSC 3300), Marching Band (MUSC 3510), Concert Choir (MUSC 4300), Instrumental Ensemble (MUSC 4500), Instrumental Ensemble (MUSC 4510), Ensemble (MUSC 4520), Latin Amer Mus Ensemble (MUST 4700), Early Music Ensemble (MUST 4710). In subsequent semesters, up to 3 additional credits of ensemble (counted as General Studies Electives) may be taken with re-audition and Departmental permission for a grand total of up to 5 credits of ensemble at 1 credit each.

2

Students placing beyond this level of mathematics through Placement Testing may take any course with advisor permission as an elective in lieu of this course.

3

Electives may be selected in any academic discipline.

4

Music Technology Elective Courses: Live Recording and Mixing for Broadcast (MUST 4706), Computer Programming for Musicians (MUST 4707), MIDI (MUST 4719), Computer Music Studio (MUST 4721), Printing Music Scores and Parts (MUST 4724), Advanced Audio Production (MUST 4725), Electronic Music Composition: Practice, History, Theory (MUST 4727), Programming in Max (MUST 4732), Special Topics Music Studies (MUST 4780), Music Industry Internship (MUST 4785), Music Industry Internship (MUST 4786)