

MUSIC TECHNOLOGY - B.S.

College of the Arts
 School of Music
 E101 Center for the Performing Arts
 Kent Campus
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Description

The Bachelor of Science degree in Music Technology prepares students as musicians within a broad field of constantly changing technology. Students study in courses that will develop expertise in music computer technology for application in the recording industry, audio-engineering and music production.

The development of music technology has had an enormous impact on the music industry. There are many career opportunities for talented musicians in music technology. Skilled musicians can apply formal training to recording careers, studio performance, arranging or producing and live performances. Opportunities are also available in non-traditional, contemporary popular music venues, the movie industry, television, multi-media events, and music for advertising as well as traditional performing arts venues. The growth of music technology has made knowledge and experience in this area a necessity for all students preparing for a career in any area of the music industry. To compete effectively in the contemporary music world, one must possess a strong traditional music background, plus the technical expertise required to make the most of a rapidly changing and developing technology.

The Music Technology major comprises the following concentrations:

- The **Audio Recording** concentration provides students the opportunity to learn advanced audio recording techniques.
- The **Music Production** concentration provides students the opportunity to learn how to use technology to realize creative work such as original music, arranging and production.

Fully Offered At:

- Stark Campus

Accreditation

The B.S. degree in Music Technology is accredited by the National Association of Schools of Music.

Admission Requirements

The university affirmatively strives to provide educational opportunities and access to students with varied backgrounds, those with special talents and adult students who graduated from high school three or more years ago.

Admission to this major is selective. To be admitted to the Music Technology major, students on their primary instrument and complete theory and keyboard placement tests.

For more information on admissions, including additional requirements for some academic programs, visit the admissions website for new

freshmen and the admissions website for transfer, transitioning and former students.

English Language Proficiency Requirements for International Students:
 All international students must provide proof of English language proficiency (unless they meet specific exceptions) by earning a minimum 525 TOEFL score (71 on the Internet-based version), minimum 75 MELAB score, minimum 6.0 IELTS score or minimum 48 PTE Academic score, or by completing the ELS level 112 Intensive Program. For more information on international admission, visit the Office of Global Education’s admission website.

Program Learning Outcomes

Graduates of this program will be able to:

1. Function as competent and versatile professional studio musicians who perform in diverse commercial music venues
2. Compose and arrange music
3. Create appropriate sound for visual media
4. Create music productions of professional quality
5. Produce professional audio recordings, both live and in studio, from start to finish

University Requirements

All students in a bachelor’s degree program at Kent State University must complete the following university requirements for graduation.

NOTE: University requirements may be fulfilled in this program by specific course requirements. Please see Program Requirements for details.

Destination Kent State: First Year Experience	1
Course is not required for students with 25 transfer credits, excluding College Credit Plus, or age 21+ at time of admission.	
Diversity Domestic/Global (DIVD/DIVG)	2 courses
Students must successfully complete one domestic and one global course, of which one must be from the Kent Core.	
Experiential Learning Requirement (ELR)	varies
Students must successfully complete one course or approved experience.	
Kent Core (see table below)	36-37
Writing-Intensive Course (WIC)	1 course
Students must earn a minimum C grade in the course.	
Upper-Division Requirement	39 (or 42)
Students must successfully complete 39 upper-division (numbered 30000 to 49999) credit hours to graduate. Students in a B.A. and/or B.S. degree in the College of Arts and Sciences must complete 42 upper-division credit hours.	
Total Credit Hour Requirement	120
Some bachelor’s degrees require students to complete more than 120 credit hours.	

Kent Core Requirements

Kent Core Composition (KCMP)	6
Kent Core Mathematics and Critical Reasoning (KMCR)	3
Kent Core Humanities and Fine Arts (KHUM/KFA) (min one course each)	9
Kent Core Social Sciences (KSS) (must be from two disciplines)	6
Kent Core Basic Sciences (KBS/KLAB) (must include one laboratory)	6-7

Kent Core Additional (KADL)	6
Total Credit Hours:	36-37

Program Requirements

Major Requirements

Code	Title	Credit Hours
Major Requirements (courses count in major GPA) (min C grade required in all courses)		
MUS 11121	THEORY I	4
MUS 11122	THEORY II	4
MUS 22111	THE UNDERSTANDING OF MUSIC (KFA)	3
MUS 22121	MUSIC AS A WORLD PHENOMENON (DIVG) (KFA)	3
MUS 21113	MUSIC PRODUCTION I	3
MUS 21114	MUSIC PRODUCTION II	3
MUS 21221	AUDIO RECORDING I	3
MUS 21222	AUDIO RECORDING II	3
MUS 21341	CONTEMPORARY POPULAR MUSIC THEORY	3
MUS 32230	NAVIGATING THE MUSIC INDUSTRY	3
MUS 34111	INTRODUCTION TO CONDUCTING	2
MUS 37111	CONTEMPORARY POPULAR PIANO	2
MUS 40092	MUSIC TECHNOLOGY INTERNSHIP (ELR)	2
MUS 41181	ACOUSTICS AND TECHNOLOGY IN MUSIC	2
MUS 41341	JAZZ IMPROVISATION I	1
MUS 42165	HISTORY OF CONTEMPORARY POPULAR MUSIC (DIVD) (WIC) ¹	3
Music (MUS) Elective		3
Major Ensemble, choose from the following: ²		8
MUS 45111	UNIVERSITY CHOIR	
MUS 45141	KENT STATE UNIVERSITY CHORALE	
MUS 45142	MEN'S CHORUS	
MUS 45143	WOMEN'S CHORUS	
MUS 45212	ORCHESTRA	
MUS 45221	SYMPHONY BAND	
MUS 45223	WIND ENSEMBLE	
Music History Elective, choose from the following:		3
MUS 32211	MUSIC HISTORY I	
MUS 42131	AMERICA'S MUSIC	
MUS 42161	HISTORY OF JAZZ (DIVD)	
Applied Studio Musicianship and Applied Music, choose from the following: ³		12
MUS 26111	APPLIED MUSIC PIANO	
MUS 26311	APPLIED MUSIC VOICE	
MUS 26411	APPLIED MUSIC - VIOLIN	
MUS 26412	APPLIED MUSIC - VIOLA	
MUS 26413	APPLIED MUSIC - CELLO	
MUS 26414	APPLIED MUSIC DOUBLE BASS	
MUS 26511	APPLIED MUSIC - FLUTE	
MUS 26512	APPLIED MUSIC - OBOE	
MUS 26513	APPLIED MUSIC - CLARINET	
MUS 26514	APPLIED MUSIC - BASSOON	
MUS 26515	APPLIED MUSIC - SAXOPHONE	
MUS 26611	APPLIED MUSIC - TRUMPET	
MUS 26612	APPLIED MUSIC - HORN	
MUS 26613	APPLIED MUSIC - TROMBONE	

MUS 26614	APPLIED MUSIC - EUPHONIUM	
MUS 26615	APPLIED MUSIC - TUBA	
MUS 26711	APPLIED MUSIC PERCUSSION	
MUS 26912	APPLIED MUSIC GUITAR	
MUS 36111	APPLIED MUSIC-PIANO ⁴	
MUS 36311	APPLIED MUSIC-VOICE ⁴	
MUS 36411	APPLIED MUSIC-VIOLIN ⁴	
MUS 36412	APPLIED MUSIC-VIOLA ⁴	
MUS 36413	APPLIED MUSIC-CELLO ⁴	
MUS 36414	APPLIED MUSIC-DOUBLE BASS ⁴	
MUS 36511	APPLIED MUSIC-FLUTE ⁴	
MUS 36512	APPLIED MUSIC-OBOE ⁴	
MUS 36513	APPLIED MUSIC-CLARINET ⁴	
MUS 36514	APPLIED MUSIC-BASSOON ⁴	
MUS 36515	APPLIED MUSIC-SAXOPHONE ⁴	
MUS 36611	APPLIED MUSIC-TRUMPET ⁴	
MUS 36612	APPLIED MUSIC-HORN ⁴	
MUS 36613	APPLIED MUSIC-TROMBONE ⁴	
MUS 36614	APPLIED MUSIC-EUPHONIUM ⁴	
MUS 36615	APPLIED MUSIC-TUBA ⁴	
MUS 36711	APPLIED MUSIC-PERCUSSION ⁴	
MUS 36912	APPLIED MUSIC-GUITAR ⁴	
MUS 36913	APPLIED STUDIO MUSICIANSHIP ⁵	
MUS 36914	ELECTRIC GUITAR APPLIED STUDIO MUSICIANSHIP ⁶	
MUS 36915	ELECTRIC BASS APPLIED STUDIO MUSICIANSHIP ⁶	
MUS 36916	DRUM SET PERCUSSION APPLIED STUDIO MUSICIANSHIP	
MUS 36917	KEYBOARD APPLIED STUDIO MUSICIANSHIP	
MUS 36918	CONTEMPORARY VOICE APPLIED STUDIO MUSICIANSHIP	
MUS 36919	FLUTE APPLIED STUDIO MUSICIANSHIP	
MUS 36920	CLARINET APPLIED STUDIO MUSICIANSHIP	
MUS 36921	SAXOPHONE APPLIED STUDIO MUSICIANSHIP	
MUS 36922	TRUMPET APPLIED STUDIO MUSICIANSHIP	
MUS 36923	HORN APPLIED STUDIO MUSICIANSHIP	
MUS 36924	TROMBONE APPLIED STUDIO MUSICIANSHIP	
Piano Class or Applied Music Piano, choose from the following: ⁷		2
MUS 17111	PIANO CLASS	
MUS 17112	PIANO CLASS	
MUS 27111	PIANO CLASS	
MUS 27112	PIANO CLASS	
MUS 36111	APPLIED MUSIC-PIANO	
MUS 46111	APPLIED MUSIC-PIANO	
Additional Requirements (courses do not count in major GPA)		
BUS 10123	EXPLORING BUSINESS	3
or ENTR 27056	INTRODUCTION TO ENTREPRENEURSHIP	
or MIS 24163	PRINCIPLES OF MANAGEMENT	
ECON 22060	PRINCIPLES OF MICROECONOMICS (KSS)	3
MATH 11009	MODELING ALGEBRA (KMCR)	4
UC 10097	DESTINATION KENT STATE: FIRST YEAR EXPERIENCE	1
Kent Core Composition		6
Kent Core Humanities and Fine Arts (minimum one course from each)		3
Kent Core Social Sciences (must be from two disciplines)		3
Kent Core Basic Sciences (must include one laboratory)		6-7

Kent Core Additional	6
General Elective (total credit hours depends on earning 120 credits hour, including 39 upper-division credit hours)	1
Concentrations	
Choose from the following:	12
Audio Recording	
Music Production	
Minimum Total Credit Hours:	120

- ¹ A minimum C grade must be earned to fulfill the writing-intensive requirement.
- ² Major ensemble (8 separate semesters): All music technology majors must enroll in an ensemble appropriate to their major performance area. Two credit hours must be taken in major ensemble. Major ensemble credit can be earned for MUS 25011 and MUS 25225, as approved by faculty. Students may choose to complete the remaining 6 credit hours with MUS 35213, or 4 credit hours with MUS 35213 or major ensemble and 2 credit hours with ensemble electives (such as MUS 45231 and MUS 25311 for students whose instrument is guitar) as approved by faculty.
- ³ Applied Studio Musicianship and Applied Music (6 semesters and 12 credit hours): Students must take at least 4 credit hours at 2 credits per semester of Applied Music (MUS 26xxx or MUS 36xxx) and meet Applied Music 36000 entry-level. Students may complete the other 8 credit hours by taking either Applied Music (MUS 36111-MUS 36912) or Applied Studio Musicianship (ASM) to meet graduation requirements. Students must also meet the 46000-entry-level requirement in either Applied Music or in Applied Studio Musicianship for graduation.
- ⁴ Students who enter at the 36000 level need 2 semesters and 4 credit hours of MUS 36xxx Applied Music and 4 semesters and 8 credit hours of either MUS 36xxx Applied Music or Applied Studio Musicianship and the 46000 threshold.
- ⁵ Students register for MUS 36913 for all other popular music instruments not listed.
- ⁶ Electric Guitar and Electric Bass students, based upon the audition, can be placed in either MUS 16914 or MUS 16915. Upon successful completion of two semesters of MUS 16914/MUS 16915 students continue with applied study as indicated in footnote 3.
- ⁷ Students who have completed the Applied Studio Musicianship and Applied Music requirement on piano may replace requirement with music (MUS) electives.

Audio Recording Concentration Requirements

[BS-MUST-AUDR]

Code	Title	Credit Hours
Concentration Requirements (courses count in major GPA) (min C grade required in all courses)		
MUS 31221	AUDIO RECORDING III	3
MUS 31222	AUDIO RECORDING IV	3
MUS 41221	AUDIO RECORDING V	3
MUS 41222	AUDIO RECORDING VI	3
Minimum Total Credit Hours:		12

Music Production Concentration Requirements

[BS-MUS-MUSP]

Code	Title	Credit Hours
Concentration Requirements (courses count in major GPA) (min C grade required in all courses)		
MUS 31113	MUSIC PRODUCTION III	3
MUS 31114	MUSIC PRODUCTION IV	3
MUS 41113	MUSIC PRODUCTION V	3
MUS 41114	MUSIC PRODUCTION VI	3
Minimum Total Credit Hours:		12

Graduation Requirements

Minimum Major GPA	Minimum Overall GPA
2.250	2.000

- Minimum C grade required in all music (MUS) courses.
- Minimum eight semesters of major ensemble courses and six semesters of applied studio musicianship and applied music courses. Applied music courses are available in the summer on selected instruments. Composition may also be taken in the summer.
- Attendance at minimum 84 concerts or recitals for students who begin the program as first semester freshmen (students who transferred from a non-music program or university must attend an average of 10 music concerts or recitals for semesters of full time enrollment)
- Students pursuing the in Audio Recording and Music Production concentration simultaneously can take the Audio Recording and Music Production III, IV, V and VI classes concurrently.
- MUS 11110, MUS 11111, MUS 16914 and MUS 16915 will not count as credit for graduation in this program

Roadmap

This roadmap is a recommended semester-by-semester plan of study for this major. However, courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

Course	Title	Credits
Semester One		
MATH 11009	MODELING ALGEBRA (KMCR)	4
! MUS 11121	THEORY I	4
! MUS 21113	MUSIC PRODUCTION I	3
UC 10097	DESTINATION KENT STATE: FIRST YEAR EXPERIENCE	1
! Applied Studio Musicianship or Applied Music		2
! Major Ensemble Elective		1
! Piano Class or Applied Music Piano		1-2
Credit Hours		16
Semester Two		
! MUS 11122	THEORY II	4
! MUS 21221	AUDIO RECORDING I	3
! Applied Studio Musicianship or Applied Music		2
! Major Ensemble Elective		1
! Piano Class or Applied Music Piano		0-1
Kent Core Requirement		3
Credit Hours		14
Semester Three		
! MUS 21222	AUDIO RECORDING II	3
! MUS 21341	CONTEMPORARY POPULAR MUSIC THEORY	3

MUS 22111	THE UNDERSTANDING OF MUSIC (KFA) (music major section)	3
!	MUS 37111 CONTEMPORARY POPULAR PIANO	2
!	Applied Studio Musicianship or Applied Music	2
!	Major Ensemble Elective	1
Kent Core Requirement		3
Credit Hours		17
Semester Four		
!	MUS 21114 MUSIC PRODUCTION II	3
	MUS 22121 MUSIC AS A WORLD PHENOMENON (DIVG) (KFA) (music major section)	3
!	MUS 34111 INTRODUCTION TO CONDUCTING	2
!	MUS 41341 JAZZ IMPROVISATION I	1
!	Applied Studio Musicianship or Applied Music	2
!	Major Ensemble Elective	1
Kent Core Requirement		3
Credit Hours		15
Semester Five		
	ECON 22060 PRINCIPLES OF MICROECONOMICS (KSS)	3
	MUS 32230 NAVIGATING THE MUSIC INDUSTRY	3
!	Concentration Requirement	3
!	Applied Studio Musicianship or Applied Music	2
	Major Ensemble Elective	1
!	Music History Elective	3
Credit Hours		15
Semester Six		
!	MUS 41181 ACOUSTICS AND TECHNOLOGY IN MUSIC	2
!	Concentration Requirement	3
!	Applied Studio Musicianship or Applied Music	2
!	Major Ensemble Elective	1
Kent Core Requirement		3
Kent Core Requirement		3
Credit Hours		14
Semester Seven		
BUS 10123	EXPLORING BUSINESS	3
or	or INTRODUCTION TO ENTREPRENEURSHIP	
ENTR 27056	or PRINCIPLES OF MANAGEMENT	
or		
MIS 24163		
MUS 42165	HISTORY OF CONTEMPORARY POPULAR MUSIC (DIVD) (WIC)	3
!	Concentration Requirement	3
!	Major Ensemble Elective	1
Kent Core Requirement		3
Credit Hours		13
Semester Eight		
!	MUS 40092 MUSIC TECHNOLOGY INTERNSHIP (ELR)	2
!	Concentration Requirement	3
!	Major Ensemble Elective	1
	Music Elective	3
Kent Core Requirement		3
Kent Core Requirement		3
General Elective		1
Credit Hours		16
Minimum Total Credit Hours:		120

