

MUSICAL AUDIO ENGINEERING, BS

The Musical Audio Engineering (B.S.M.A.E.) degree program is designed to prepare students for the broadest spectrum of recording studio operations, the equipment used in recording studios, live recording environments, and in-depth understanding of equipment design, maintenance, and operations. Graduates of this program will not only be able to operate audio equipment, but they will be able to design audio equipment as skilled musicians.

The overall goal of the Musical Audio Engineering program is to prepare students for engineering careers within the audio processing and recording discipline. This unique program includes basic courses in mathematics and physical sciences, broadening courses in humanities and social sciences, foundation courses in electrical engineering, and music courses as well as musical performance.

To participate in this program, students must be accepted into both the School of Music and the College of Engineering. More information can be found on the College of Engineering's Musical Audio Engineering website, the School of Music's Musical Audio Engineering website, and audition requirements can be found here.

[Click here for details on the College of Engineering policy for repeating courses.](#)

[Click here for details on the College of Engineering Residency policy.](#)

First Year

Fall	Hours	Spring	Hours
CH 101	4	PH 105	4
MATH 125	4	MATH 126	4
EN 101	3	EN 102	3
ECE 121	1	ENGR 103	3
MUS 115	4	MUA 1xx Secondary Instrument	1
MUA 010	0	MUA 121	1
		MUA 010 Music Convocation	0
	16		16

Second Year

Fall	Hours	Spring	Hours
PH 106	4	MUA 2xx Secondary Instrument	1
MATH 227	4	MATH 237	3
MATH 238	3	ECE 225	4
CS 100	4	ECE 380	4
MUA 1xx Secondary Instrument	1	MUS 308	3
MUA 122	1	MUA 123	1
	17		16

Third Year

Fall	Hours	Spring	Hours
MUA 2xx Secondary Instrument	1	Select one of the following:	3 or 4
ECE 370	3	CS 101	
ECE 383	4	ECE 3xx/4xx Elective	
MATH 301	3	ECE 327	3
MUS 340	3	ECE 332	4

MUA 124	1	MUA 399	1
		MUS 341	3
		MUA 010 Music Convocation	0

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Fourth Year

Fall	Hours	Spring	Hours
ECE 4xx Lecture/Lab Combo	4	HI/SB Elective ^{1,2}	3
ECE 492	2	MUS 250	3
ECE 333	4	ECE 494	2
MUS 430	3	MUA 499	1
MUA Ensemble	1	MUS 430 Applied Recording	3
MUA 010 Music Convocation	0	MUS 351	2

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Fifth Year

Fall	Hours
HI/SB Elective ^{1,2}	3
HU/L/FA Elective ^{1,2}	3
HI/SB Elective ^{1,2}	3
HU/L/FA Elective ^{1,2}	3
MUS 430 Applied Recording	3
MUA Ensemble	1
MUA 010 Music Convocation	0

16

Total Hours: 138-139

Footnotes

¹ Students must satisfy the College of Engineering in-depth requirement (minimum of six hours in one discipline).

² The College of Engineering core curriculum requires a minimum of: nine hours of HU, L, or FA courses (these 9 hours includes MUS 250); nine hours of HI or SB courses; six hours of FC courses; six hours of W courses (300- and 400-level ECE courses); 12 hours of N courses (eight hours of calculus-based physics); 12 hours of MA courses (MATH 125 Calculus I or higher); and six hours of C or FL courses.

Musical Audio Engineering graduates are prepared for careers within the audio processing and recording industries.

Types of Jobs Accepted

Musical Audio Engineering graduates have opportunities in recording studio operations; live recording environments; and the design, fabrication, operation, and maintenance of recording equipment.