Department of Music

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Mission Statement: The Department's mission is to contribute to the comprehensive formation of all university students through multi-faceted engagement with music. By facilitating expansion of the general student's aesthetic perspective and by nurturing the music major's development in performance, music education, scholarly inquiry into both western and world music, and technological innovation, the Department aids students in becoming highly motivated, life-long learners.

Goals:

- 1. Provide both undergraduate and graduate programs that prepare majors for successful futures as elementary and secondary educators, performers, graduate students, researchers and music industry professionals.
- 2. Serve the university as a whole by 1) enhancing its cultural life with a wide array of musical performances; and 2) providing non-majors with numerous opportunities to learn about and participate in the making of music.
- 3. Establish and develop professional relationships with other musicians at the local, regional, national and international levels in order to provide students with an accurate perspective on and opportunity to interact with the global community of musicians.

Objectives: By the end of their course of study, students will:

- 1. possess a fundamental understanding and mastery of the practical skills necessary in order to successfully pursue a music career, whether it be in education, performance or the music industry.
- 2. have contributed significantly to the cultural and aesthetic welfare of both the university and of the community at large by providing a broad variety of musical performances.
- 3. be able to demonstrate critical thinking skills in both written and verbal format, within both a Western and a global context.
- 4. have developed into self-motivated, life-long learners who are fully capable of making valuable contributions to society.

Degree Programs: The Department offers the Bachelor of Science in Music Degree with concentrations in 1) Instrumental/General Music Education, 2) Vocal/General Music Education, 3) Liberal Arts, and 4) Commercial Music with emphases in Business, Technology and Performance.

Accreditation: The Department of Music is accredited by the National Association of Schools of Music, the official accrediting agency for schools of music in the United States. The teacher certification programs in Music are approved by the Tennessee Department of Education. In addition, the National Council on the Accreditation of Teacher Education (NCATE) has extended national accreditation to the teacher certification program of the University.

General Education Core: Specific requirements for the General Education Core, which consists of 41 credit hours plus Orientation, vary for each of the above-mentioned Degree Programs. These requirements are available at www.tnstate.edu/music.

Music Core: Specific Music Core requirements for each of the above-mentioned Degree Programs are available at www.tnstate.edu/music.

Additional Requirements for Music Majors: Each student must declare a primary applied area of performance and must focus in this area for the equivalent of four years. He or she must present a recital(s) as noted in the specific degree program. Each student must perform at seminars and student recitals. In most cases the choice of the primary applied area and curriculum is governed by the proficiency that the student has achieved prior to entering the University. A senior project and internship required of students in Commercial Music. A piano skills diagnostic test will be administered upon admission and the student will be advised as to the best manner of meeting the required piano proficiency. Each music major is required to participate in a primary ensemble: seven semesters for Music Education majors, eight semesters for Liberal Arts majors, and seven semesters for Commercial Music majors. Membership is not limited to one ensemble, but instrumental students must participate in University Band, and vocal students must participate in University Choir.

Teacher Certification for Music Education Majors

Music Education majors who seek teacher certification in Music must apply in writing for admission to the Teacher Education Program, located in the College of Education, usually at the end of the sophomore year. They must have a minimum 2.75 cumulative quality point average at the time of application and must pass the Pre-Professional Skills Test (PPST) or the Computer-Based Academic Skills Assessments Test (CBT). Students who have earned a 21 on the ACT, 22 on the Enhanced ACT, or a combined 990 on the verbal and mathematics portions of the SAT are exempt from the PPST and the CBT. Formal admission to the Teacher Education Program is a prerequisite to enrolling in all upper-level certification courses. Enhanced Student Teaching is required of all candidates for certification. Placement for Enhanced Student Teaching is at both the elementary and secondary school levels. For a complete list of requirements for admission to and retention in the Teacher Education Program, see College of Education section.

It is mandatory that students confer with departmental advisors prior to registering each semester. The degree with teacher certification requires completion of the general education requirements, the above major core, plus the following courses.

EDCI 2010	History and Foundations of Education	3
PSYC 2420	Human Growth and Learning	3
MUSC 3711	Music Education	3
MUSC 3712 or	Vocal Methods or	3
MUSC 3713	Instrumental Methods	
MUSC 2610	Music and Technology	3
EDCI 4705	Educational Seminar, Secondary	3
MUSC 4720	Enhanced Student Teaching	9

Music Minor Requirements

A minimum of 18 semester hours is required, including:

Core (14 credit hours)

MUSC 1210	Freshman Theory I	3 credit
MUSC 1250	Aural Skills I	1 credit
MUSC 1010	Music Appreciation	(prerequisite)
MUSC 3380	Music History II	3 credit
MUSC 1xxx	Applied Music I	1 credit
MUSC 1xxx	Applied Music II	1 credit
Major Ensemble	participation	2 credit

choose from: (all 1 credit hour each, repeatable for credit)

MUSC 1510/3510 Commercial Music Ensemble

MUSC 2010 Marching Band
MUSC 2095/3095 Wind Ensemble
MUSC 2096/3096 Concert Band
MUSC 2098/3098 Orchestra
MUSC 3070 University Choir

choice of:		
MUSC 3711	Music Education	3 credit
	or	
MUSC 2710	Intro to Commercial Music	(3 hrs)
Electives (Choose	minimum of 4 credit hours)	
MUSC 1211	Freshman Theory II	3 credit
MUSC 1260	Aural Skills II	1 credit
MUSC 3050	Instrumental Conducting	2 credit
MUSC 3060	Choral Conducting	2 credit
MUSC 3110	Brass Techniques	1 credit
MUSC 3111	Woodwind Techniques	1 credit
MUSC 3120	Vocal Techniques	1 credit
MUSC 3130	String Techniques	1 credit
MUSC 3140	Percussion Techniques	1 credit
Applied Music at		
or above 2000 le	vel	1 credit hour each
Major Ensemble	1 credit hour each	
participation		(see above)

Post-Baccalaureate Certification

If the student has an academic major in music, it is accepted but must include the Music Core listed below.

Music Core:

Course/Number Title	Hrs.	
MUSC 1210/1211/1250/1260	Freshman Theory I, II	8
MUSC 2211/2212	Sophomore Theory III, IV	6
MUSC 3370/3380/4220	Music History & Literature	8
MUSC 4211 20th/21st C	entury Music	2
MUSC 3110/3111/3120/3130	Instrumental Techniques	4
MUSC 3050/3060	Conducting	4
MUSC 4200/4201	Form & Analysis	3
MUSC 4310	Orchestration	3
MUSC (7 semesters)	Applied Instrument & Recital	7
	Pass Piano Proficiency Exam	0

TOTAL 45

Course/No.

The student may choose to take the Professional Education Core at the undergraduate or graduate level. However a student working simultaneously on licensure and a Master's degree must take professional education courses at the graduate level.

Hrs.

Undergraduate Professional Education Core: Title

PS	SYC 2420	Human Growth Develop.	3
Εľ	OCI 2010	Hist/Founds. of Educ.	3
Εľ	OCI 3110	Classroom Management	3
Εľ	DSE 3330	Educ. of Except. Child.	3
ΜI	USC 3711	Found. of Music Educ.	3
ΜI	USC 3011	Elem/Gen. Music Meth.	3
ΜI	USC 3712	Vocal Music Methods	
or	3713	Instrumental Music Meth.	3
Gr	aduate Professi	onal Education Core:	
	raduate Professi SYC 5430	onal Education Core: Adv. Educational Psych	3
PS			3
PS EE	SYC 5430	Adv. Educational Psych	_
PS EI EI	SYC 5430 DCI 5260	Adv. Educational Psych Philosophy of Education	3
PS EI EI	SYC 5430 DCI 5260 DAD 5050	Adv. Educational Psych Philosophy of Education School Law	3
PS ED ED MI	SYC 5430 DCI 5260 DAD 5050 DSE 5530	Adv. Educational Psych Philosophy of Education School Law Ed./Psych. Except. Child	3 3 3
PS EI EI MI MI	SYC 5430 DCI 5260 DAD 5050 DSE 5530 USC 5250	Adv. Educational Psych Philosophy of Education School Law Ed./Psych. Except. Child Found./Phil. of Music Ed	3 3 3 3

TOTAL 21

or 5100

Enhanced Student Teaching (Elementary and Secondary)9 hours Enhanced Student Teaching Seminar 3 hours

Instrumental Music Meth

<u>3</u>

Bachelor of Science Degree in Music Concentration in Instrumental/General Music Education (Licensure for Grades K-12)

Suggested Four Year Program:

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FALL SEMESTER	Hr.	SPRING SEMESTER	Hr.
Applied Major Instrument I	1	Applied Major Instrument II	1
MUSC 1210	3	MUSC 1211	3
MUSC 1250	1	MUSC 1260	1
MUSC 3020	0	MUSC 3020	0
Major Ensemble	1	Major Ensemble	1
ASOR	1	Techniques Class	1
1001/2/3	3	ENGL 1010	3
ENGL 1010	3	MUSC 1010	3
Social/Behavioral Sciences	3	Natural Sciences	4
	_		
	16		17

SOPHOMORE YEAR

FALL SEMESTER	Hr.	SPRING SEMESTER	Hr.
Applied Major Instrument III	1	Applied Major Instrument IV	1
MUSC 2211	3	MUSC 2212	3
MUSC 3020	0	MUSC 3020	0
Major Ensemble	1	Major Ensemble	1
EDCI 2010	3	Techniques Class	1
Sophomore Literature	3	PSYC 2420	3
Social/Behavioral Sciences	3	History	3
Natural Sciences	4	COMM 2200	3
		Humanities	3
	18		18

		JUN	IIOR YEAR
FALL SEMESTER	Hr.	SPRING SEMESTER	Hr.
Applied Major Instrument V MUSC 4210 MUSC 3020 Major Ensemble MUSC 3370 Public School Music MUSC 3011 History	1 3 0 1 3 3 1 3	Applied Major Instrument VI MUSC 4310 MUSC 3020 Major Ensemble MUSC 3380 MUSC 3050 MUSC 4211 Techniques Class MUSC 3711	1 3 0 1 3 2 2 1 1 3
	15		16

SENIOR YEAR

FALL SEMESTER	Hr.	SPRING SEMESTER	Hr.
Applied Major Instrument VII	1	EDCI 4705	3
MUSC 4510	0	MUSC 4720	9
MUSC 3020	0		
Major Ensemble	1		
Techniques Class	1		
MUSC 3060	2		
MUSC 4220	2		
MUSC 3713	3		
EDSE 3330	3		
EDCI 3110	3		
	16		12

Bachelor of Science Degree in Music Concentration in Vocal/General Music Education (Licensure for Grades K-12)

Suggested Four Year Program:

FRESHMAN YEAR

FALL SEMESTER	Hr.	SPRING SEMESTER	Hr.
MUSC 1400	1	MUSC 1401	1
MUSC 1210	3	MUSC 1211	3
MUSC 1250 MUSC 3020	1 0		1 0
MUSC 3070	1		1
ASOR	1	ENGL 1020	3
1001/2/3	3		3
ENGL 1010 Social/Behavioral Sciences	3	Natural Sciences	4
Social/Beriavioral Sciences	3		
	16		16
		S	OPHOMORE YEAR
FALL SEMESTER	Hr.	SPRING SEMESTER	Hr.
MUSC 2400	1	MUSC 2401	1
MUSC 2211	3		3
MUSC 3020 MUSC 3070	0 1		0 1
EDCI 2010		Techniques Class	1
Sophomore Literature	3	PSYC 2420	3
Social/Behavioral Sciences Natural Sciences	3 4		3 3
Natural Sciences	4	Humanities	3
	_	ramamao	_
	18		18
			JUNIOR YEAR
FALL SEMESTER	Hr.	SPRING SEMESTER	Hr.
MUSC 3400	1	MUSC 3401	1
MUSC 4210	3		3 0
MUSC 3020 MUSC 3070	0 1		1
MUSC 3370	3		3
MUSC 3011	3		2
MUSC 3145 Techniques Class	1 1		2 1
History	3	MUSC 3711	3
	_		
	16		16
			SENIOR YEAR
FALL SEMESTER	Hr.	SPRING SEMESTER	Hr.
MUSC 4400	1	EDCI 4705	3
MUSC 4510 MUSC 3020	0	MUSC 4720	9
MUSC 3020 MUSC 3070	0 1		12
Techniques Class	1		
MUSC 3060	2		
MUSC 4220 MUSC 3712	2		
EDSE 3330	3		
EDCI 3110	3		
	<u> </u>		 12

Bachelor of Science Degree in Music (Concentration in Liberal Arts)

Suggested Four Year Program:

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			FRESHMAN YEAR
FALL SEMESTER	Hr.	SPRING SEMESTER	Hr.
Applied Major I	1	Applied Major II	1
MÜSC 1100	1	MUSC 1100	1
MUSC 1210	3	MUSC 1211	3
MUSC 1250	1	MUSC 1260	1
MUSC 3020	0	MUSC 3020	0
Major Ensemble	1	Major Ensemble	1
ASOR 1003	1	Techniques Class	1
ENGL 1010	3		3
Mathematics	3	MUSC 1010	3
Natural Sciences	4		
			
	17		18
		5	SOPHOMORE YEAR
FALL SEMESTER	Hr.	SPRING SEMESTER	Hr.
MUSC 1100	1	MUSC 1100	1
MUSC 2211	1	MUSC 2212	1
A4 : T1	_	NA : TI 13/	•

FALL SEMESTER	Hr.	SPRING SEMESTER	Hr.
MUSC 1100	1	MUSC 1100	1
MUSC 2211	1	MUSC 2212	1
Music Theory III	3	Music Theory IV	3
MUSC 3020	0	MUSC 3020	0
Major Ensemble	1	Major Ensemble	1
EDCI 2010	3	MUSC 2350	3
Sophomore Literature	3	History	3
Social/Behavioral Sciences	3	COMM 2200	3
Natural Sciences	4	Humanities	3
	19		18

JUNIOR YEAR

FALL SEMESTER	Hr.	SPRING SEMESTER	Hr.
Applied Major V	1	Applied Major VI	1
MUSC 4210	3	MUSC 3020	0
MUSC 3020	0	Major Ensemble	1
Major Ensemble	1	MUSC 3380	3
MUSC 3370	3	Foreign Language II	3
Foreign Language I	3	20th/21st Century Music	2
Social/Behavioral Sciences	2	MUSC 4211	1
History	3	Liberal Arts Elective	2
	_		
	16		13

SENIOR YEAR

FALL SEMESTER	Hr.	SPRING SEMESTER	Hr.
Applied Major VII	1	MUSC 4510	1
MUSC 3020	0	MUSC 3020	0
Major Ensemble	1	Performance Seminar	0
Techniques Class	1	MUSC 4220	1
MUSC 3060	2	MUSC 3050	2
Open Elective	3	Instrumental Conducting	2
Liberal Arts Elective	3	MUSC 45xx	3
EDSE 3330	3	Techniques Class	1
EDCI 3110	3	MUSC 4310	3
		Liberal Arts Elective	3
	_		
	17		16

Bachelor of Science Degree in Music (Concentration in Commercial Music: Performance)

Suggested Four Year Program:				
		FF	RESHMAN YEAR	
FALL SEMESTER MUSC MUSC 1210 MUSC 1250 MUSC 3030 MUSC 1510 Humanities ENGL 1010 MATH 1110 ASOR 1003	Hr. 1 3 1 0 1 3 3 3 1	SPRING SEMESTER MUSC MUSC 1211 MUSC 1260 MUSC 3030 MUSC 1510 MUSC 1010 ENGL 1020 ECON 2010	Hr. 1 3 1 0 1 3 3 3	
	16		15	
FALL SEMESTER MUSC MUSC 2211 MUSC 3030 MUSC 1510	Hr. 1 3 0 1	SPRING SEMESTER MUSC MUSC 2212 MUSC 3030 MUSC 3510	PHOMORE YEAR Hr. 1 3 0 1	
History Sophomore Literature Natural Sciences COMM 2200	3 4 3 — 18	History Social/Behavioral Scienc Natural Sciences	3 3 4 — — — — — — — — — — — — — — — — —	
			JUNIOR YEAR	
FALL SEMESTER MUSC MUSC 3030 MUSC 3510 MUSC 2610 MUSC MUSC MUSC MUSC MUSC 3060 MUSC 3010 MUSC 2710 Techniques I Techniques II	Hr. 1 0 1 3 1 1 *2 3 3 1 1	SPRING SEMESTER MUSC MUSC 3030 MUSC 3510 MUSC 3515 MUSC MUSC or MUSC 3050 MUSC 3380 MUSC 3710 Techniques III Techniques IV	Hr. 1 0 1 1 1 1 *2 3 3 1	
	15-17		13-15	
FALL SEMESTER MUSC MUSC MUSC MUSC 4410 MUSC 3030 MUSC 3510 MUSC 3610 THTR 2400 or 3430	Hr. 1 1 1 3 0 1 3 3	SPRING SEMESTER MUSC MUSC MUSC MUSC 4310 MUSC 3385 MUSC 4010 MUSC 4515 MUSC 4510	SENIOR YEAR Hr. 1 1 3 3 3 1 0	

Bachelor of Science Degree in Music (Concentration in Commercial Music: Technology)

Suggested Four Year Program:

Suggested Four Year Program:				
FRESHMAN YEAR				
FALL SEMESTER	Hr.	SPRING SEMESTER	Hr.	
MUSC	пі. 1	MUSC	1	
MUSC 1210	3	MUSC 1211	3	
MUSC 1250 MUSC 3030	1 0	MUSC 1260 MUSC 3030	1 0	
MUSC 1510	1	MUSC 1510	1	
Humanities	3	MUSC 1010	3	
ENGL 1010 MATH 1110	3	ENGL 1020 ECON 2010	3 3	
ASOR 1003	1		•	
	 16		 15	
		901	PHOMORE YEAR	
EALL OFMEOTED	1.1			
FALL SEMESTER	Hr.	SPRING SEMESTER	Hr.	
MUSC MUSC 2211	1 3	MUSC MUSC 2212	1 3	
MUSC 3030	0	MUSC 3030	0	
MUSC 1510 History	1	MUSC 3510 History	1 3	
Sophomore Literature	3	Social/Behavioral Science	es 3	
Natural Sciences COMM 2200	4	Natural Sciences	4	
OOMINI 2200	_		_	
	18		15	
			JUNIOR YEAR	
FALL SEMESTER	Hr.	SPRING SEMESTER	Hr.	
MUSC MUSC 3030	1	MUSC 2020	1	
MUSC 3510	0 1	MUSC 3030 MUSC 3510	0 1	
MUSC 2610	3	MUSC 3515	1	
MUSC 3060 MUSC 3010	*2 3	AITT 2000 AITT 2001	3 1	
MUSC 2710	3	MUSC 3050	*2	
Techniques I Techniques II	1 1	MUSC 3380 MUSC 3710	3 3	
•	40.45		40.45	
	13-15		13-15	
			SENIOR YEAR	
FALL SEMESTER	Hr.	SPRING SEMESTER	Hr.	
MUSC 3610 MUSC 3030	3 0	MUSC 4610 MUSC 4615	3 3 3 3	
MUSC 3510	1	MUSC 4010	3	
COMM 3640 MUSC 4515	3 1	MUSC 3385 MUSC 4310	3 <u>3</u>	
MUSC 4410	3	WI000 40 IU	<u>2</u>	
Techniques III Techniques IV	1			
recilliques IV	1		_	

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Bachelor of Science Degree in Music (Concentration in Commercial Music: Business)

Suggested Four Year Program:

			FRESHMAN YEAR
FALL SEMESTER	Hr.	SPRING SEMESTER	Hr.
MUSC MUSC 1210	1 3	MUSC MUSC 1211	1 3
MUSC 1250	1	MUSC 1260	1
MUSC 3030 MUSC 1510	0 1	MUSC 3030 MUSC 1510	0 1
Humanities	3	MUSC 1010	3
ENGL 1010	3	ENGL 1020	3
MATH 1110 ASOR 1003	3 1	ECON 2010	3
	 16		15
		S	OPHOMORE YEAR
FALL SEMESTER	Hr.	SPRING SEMESTER	Hr.
MUSC 2211	1	MUSC	1
MUSC 3030 MUSC 1510	3 1	MUSC 2212 MUSC 3030	3 0
History	3	MUSC 3510	1
Natural Sciences ECON 2020	4 3	History Natural Sciences	3 4
COMM 2200	3	Sophomore Literature	3
	18		 15
			JUNIOR YEAR
FALL SEMESTER	Hr.	SPRING SEMESTER	Hr.
MUSC	1	MUSC	1
MUSC 3030 MUSC 3510	0 1	MUSC 3030 MUSC 3510	0 1
MUSC 3010	3	MUSC 3380	3
MUSC 2710 MUSC 2610	3 3	MUSC 3710 BISI 2150	3 3
ACCT 2010	3	MKTG 3010	3
	_	MUSC 3515	1 —
	14		15
			SENIOR YEAR
FALL SEMESTER	Hr.	SPRING SEMESTER	Hr.
MUSC 3030 MUSC 3510	0 1	MUSC 4010 MUSC 3385	3 3
MUSC 4410	3	MUSC 4310	3
MUSC 4515 MGMT 3010	1 3	MUSC 4520	1 tive 3
COMM 4460	3	Upper Level Bus. Elec	แง <u>ต ว</u>
MUSC 3610	3		
	14		13

Course Descriptions

(MUSC) Applied Music Courses

Enrollment in all applied music courses is by permission of instructor only. The laboratory fees are for each semester. The student has individual sessions with the instructor each week.

MUSC 1000, 1001, 2000, 2001, 3000, 3001, 4000, 4001 Applied Percussion I-VIII (1). An intensive study of elements of percussion techniques. Accent is on snare drum rudiments, bass drum and timpani, solo and ensemble materials for percussion, tuned percussion instruments, and recital literature in preparation for Senior Recital. Prerequisite: follow course sequence. Laboratory fee \$100.00/course.

MUSC 1100, 1101, 2100, 2101, 3100, 3101, 4100, 4101 Applied Piano I-VIII (1). Some of the works of Bach, Haydn, Mozart, Beethoven, and others whose works are of equivalent technical value, together with purely technical materials including all major and minor scales, exacting materials requiring excellent musicianship, skills, and techniques. The study of advanced piano materials. Prerequisite: follow course sequence. Laboratory fee \$100.00.

MUSC 1105, 1106, 2105, 2106, Proficiency Piano I-IV (1). A piano laboratory class for music majors and minors who are striving to meet the required competency standards. The emphasis is on scales, arpeggios, cadences, harmonizing, reading open 4 part score, sight-reading, and transposition. Two one- hour periods. Prerequisite: follow course sequence or placement by audition.

MUSC 1115 Class Piano I for Non-majors (1). Course intended for non-majors/minors. Topics include notes, rhythms, fingering, proper playing techniques, scales, and selected songs. One hour credit.

MUSC 1116 Class Piano II for Non-majors (1). A continuation of MUSC 1115, this course is intended for non-music majors/minors. Topics include more in-depth study of notes, rhythms, fingerings, proper playing techniques, scales, chords, and selected songs. One hour credit.

MUSC 1200, 1201, 2200, 2201, 3200, 3201, 4200, 4201, Applied Organ I-VIII (1). Pedal studies, major and minor scales, legato studies, little preludes and fugues of Bach, trios by Stainer, Rheinberger, and others; selected books of Guilmant, Mendelssohn, and other reputable composers. Prerequisites: follow course sequence. Laboratory fee \$100.00.

MUSC 1300, 1301, 2300, 2301, 3300, 3301, 4300, 4301 Applied Violin I-VIII (1). Instruction with standard, intermediate, advanced violin materials. Prerequisite: follow course sequence. Laboratory fee \$100.00.

MUSC 1305, 1306, 2305, 2306, 3305, 3306, 4305, 4306 Applied Viola I-VIII (1). Instruction with standard, intermediate, advanced materials. Prerequisite: follow course sequence. Laboratory fee \$100.00.

MUSC 1307, 1308, 2307, 2308, 3307, 3308, 4307, 4308 Applied Cello I-VIII (1). Instruction with standard, intermediate, advanced cello materials. Prerequisite: follow course sequence. Laboratory fee \$100.00.

MUSC 1315, 1316, 2315, 2316, 3315, 3316, 4315, 4316 Applied String Bass I-VIII (1). Instruction with standard, intermediate, and advanced string bass materials. Prerequisite: follow course sequence. Laboratory fee \$100.00.

MUSC 1317, 1318, 2317, 2318, 3317, 3318, 4317, 4318 Applied Harp (1). Instruction with standard, intermediate and advanced pedal harp materials. Prerequisite: follow course sequence. Laboratory fee \$100.00.

MUSC 1400, 1401, 2400, 2401, 3400, 3401, 4400, 4401 Applied Voice I-VIII (1). The study of breath control and voice placement in tone production study of voice drills in voice placement, intonation, breathing, phrasing, and diction vocal techniques, and appropriate repertoire. Prerequisite: follow course sequence. Laboratory fee \$100.00.

MUSC 1500, 1501, 2500, 2501, 3500, 3501, 4500, 4501 Applied Trumpet I-VIII (1). Instruction with standard, intermediate, advanced materials. Prerequisite: follow course sequence. Laboratory fee \$100.00.

MUSC 1505, 1506, 2505, 2506, 3505, 3506, 4505, 4506 Applied French Horn I-VIII (1). Instruction with standard, intermediate, advanced materials. Prerequisite: follow course sequence. Laboratory fee \$100.00.

MUSC 1590, 1591, 2590, 2591, 3590, 3591, 4590, 4591 Applied Guitar I-VIII (1). Instruction with standard, intermediate, advanced materials. Prerequisite: follow course sequence. Laboratory fee \$100.00.

MUSC 1600, 1601, 2600, 2601, 3600, 3601, 4600, 4601 Applied Trombone I-VIII (1). Instruction with standard, intermediate, advanced materials. Prerequisite: follow course sequence. Laboratory fee \$100.00.

MUSC 1605, 1606, 2605, 2606, 3605, 3606, 4605, 4606 Applied Euphonium I-VIII (1). Instruction with standard, intermediate, advanced materials. Prerequisite: follow course sequence. Laboratory fee \$100.00.

MUSC 1607, 1608, 2607, 2608, 3607, 3608, 4607, 4608 Applied Tuba I-VIII (1). Instruction with standard, intermediate, advanced materials. Prerequisite: follow course sequence. Laboratory fee \$100.00.

MUSC 1700, 1701, 2700, 2701, 3700, 3701, 4700, 4701 Applied Clarinet I-VIII (1). Instruction with standard, intermediate, advanced materials. Prerequisite: follow course sequence. Laboratory fee \$100.00.

MUSC 1705, 1706, 2705, 2706, 3705, 3706, 4705, 4706 Applied Flute I-VIII (1). Instruction with standard, intermediate, advanced materials. Prerequisite: follow course sequence. Laboratory fee \$100.00

MUSC 1800, 1801, 2800, 2801, 3800, 3801, 4800, 4801 Applied Oboe I-VIII (1). The study of standard, intermediate, advanced materials. Prerequisite: follow course sequence. Laboratory fee \$100.00.

MUSC 1805, 1806, 2805, 2806, 3805, 3806, 4805, 4806 Applied Bassoon I-VIII (1). The study of standard, intermediate, and advanced materials. Prerequisite: follow course sequence. Laboratory fee \$100.00.

MUSC 1900, 1901, 2900, 2901, 3900, 3901, 4900, 4901 Applied Saxophone I, II (1). The study of standard, intermediate, and advance materials. Prerequisite: follow course sequence. Laboratory fee \$100.00.

MUSC 2020 Woodwind Class for Non-Majors (1). Course intended for University Marching Band students needing increased proficiency on their instrument. Admission by permission of the Director of Bands. This course may not be used for large ensemble requirements. Rehearsals are to be arranged. May be repeated for up to four hours of credit. Non-music majors only.

MUSC 2025 Brass Class for Non-Majors (1). Course intended for University Marching Band students needing increased proficiency on their instrument. Admissions by permission of the Director of Bands. This course may not be used for large ensemble requirements. Rehearsals are to be arranged. May be repeated up to four hours of credit. Non-music majors only.

MUSC 2026 Percussion Class for Non-majors (1). Course intended for University Marching Band students needing increased proficiency on their instrument. Admissions by permission of the Director of Bands. This course may not be used for large ensemble requirements. Rehearsals are to be arranged. May be repeated up to four hours of credit. Non-music majors only.

MUSC 3020 Performance Seminar (0). Required of Music Education and Liberal Arts majors only. A satisfactory grade (P) is obtained by attending a minimum of 75% of all faculty and student recitals in a given semester, and by at least two performances in the seminar for upperclassmen. Open to Music majors only.

MUSC 3050 Instrumental Conducting (2). A study of the techniques of conducting a band or an orchestra, with particular emphasis on use of the baton, score reading, program planning, and rehearsal procedures. Scores suitable for use in secondary school bands and orchestras are examined and evaluated. Prerequisite: junior standing in Music. Two lectures. Required of Music Education and Liberal Arts majors and most Music-Commercial Music majors.

MUSC 3060 Choral Conducting (2). A study of the techniques of conducting a choir, with particular emphasis on score reading, program planning, and rehearsal procedures. Scores suitable for use in secondary school choirs are examined and evaluated. Prerequisite: junior standing in Music. Two lectures. Required of Music Educ/Lib Arts majors only.

MUSC 3110 Brass Techniques (1). Fundamentals of care, construction, minor repair, and performance. Not for brass majors. Prerequisite: MUSC 1210.

MUSC 3111 Woodwind Techniques (1). Fundamentals of tone production, techniques, care, construction, and minor repair. Not for woodwind majors. Prerequisite: permission of instructor. Two one-hour periods.

MUSC 3120 Vocal Techniques (1). The study of techniques of vocal tone production, breathing, articulation, enunciation, and pronunciation as applied to the training of choral groups. Not for vocal majors. Course is required of students majoring in an instrument.

MUSC 3130 String Techniques (1). The study of the fundamentals of bowing, fingering, construction, and care of string instruments, including fretted instruments. Not intended for string majors.

MUSC 3140 Percussion Techniques (1). Fundamentals of care and minor repair; study of techniques of performance on most percussion instruments with emphasis on the snare drum. Not for percussion majors. Two one-hour periods.

MUSC 3145 Introduction to Vocal Diction (1). Augmentation of applied voice study. Phonetics and diction for singers of English, Italian, German, and French vocal literature. Prerequisite: MUSC 1400, Applied Voice I. 1 hour.

MUSC 3160 Opera Workshop (3). An introduction to operatic performance to include acting, movement, and the staging of various operatic scenes. Three sessions per week. Prerequisite: permission of instructor.

MUSC 4510 Senior Recital (P/F). Student passed only upon successful completion of the public senior recital. Prerequisite: completion of applied courses and permission of major applied instructor and Department Head. Required of all Music Education and Music-Liberal Arts majors.

MUSC 4905, 4906 Applied Music IX, X (1). Continuation of advanced instruction with standard materials. Prerequisite: Successful completion of Applied Instrument or Voice VIII. Laboratory fee \$100.

Primary Ensembles

MUSC 1510, 3510 Commercial Music Ensemble (1). Preference will be given to Commercial Music majors. The group performs "popular" ("top 40") music from the past to the present, and provides a laboratory for members to develop performance skills, stage presence, musicianship, and an awareness of various musical styles. Operation of some lighting, audio, and management functions may also be available for members. The ensemble performs publicly as opportunities are presented. May be repeated for four hours of credit, each. Prerequisite: audition and permission of instructor.

MUSC 2010 University Marching Band (1). Admission by audition and permission of the Director of Bands. The study and performance of marching routines and performance styles designed for live, film, and televised performances. Meets daily 6:00-8:00pm. Extra rehearsals as called. All instrumental music education and music-liberal arts majors must have 3-4 semesters of MUSC 2010. May be repeated for up to 7 hours of credit.

MUSC 2095, 3095 Wind Ensemble (1). Admission by permission of the Director of Bands. Ensemble consists of top wind, percussion, and string instrumentalists within the Department of Music who exhibit outstanding musicianship and an interest in performing the finest of symphonic literature. Courses may be repeated up to 4 hours of credit, each, and may be used to meet large ensemble requirements.

MUSC 2096, 3096 Concert Band (1). Open by audition to all University students proficient with a band instrument, and with permission of the Director of Bands. Ensemble performs standard and contemporary band literature. This course may be used to meet large ensemble requirements. Course in one hour credit, and may be repeated up to four hours of credit, each.

MUSC 2098, 3098 Orchestra (1). Open to all University students proficient with an orchestra instrument, and permission of the Director. Ensemble performs standard and contemporary orchestra literature. This course may be used for large ensemble requirements. May be repeated up to four hours of credit, each.

MUSC 3070 University Choir (1). The study and performance of a variety of the finest choral literature, including non-western music. Prerequisite: audition and permission of the Director of the University Choir. May be repeated for up to 8 credit hours.

Secondary Ensembles

MUSC 2097, 3097 Pep Band (1). Membership open to all University Marching Band students by permission of the Director of Bands. This ensemble performs at university basketball games and special events. Music majors and band scholarships students must maintain concurrent membership in University Marching and Concert Bands. May be repeated up to 4 hours of credit.

MUSC 3075 Meistersingers (1). Course intended for vocal majors and students with proficiency in voice. Students are exposed to secular and sacred choral chamber literature from various periods and cultures. Admission by permission of the instructor. Emphasis is placed on public performance of material. May be repeated up to four hours of credit.

MUSC 3078 Jazz Vocal Ensemble (1). Course intended for vocal majors and student with proficiency in voice. Students are exposed to vocal literature of various jazz styles. Admission by permission of the instructor. May be repeated up to four hours of credit.

MUSC 3090 Show Choir (1). The show choir, of the university performs literature from Broadway shows and popular music styles with fully staged choreography. The official name is TSU Showstoppers. Prerequisite: audition, and permission of instructor.

MUSC 3810 Flute Ensemble (1). Course intended for flute majors, and students with proficiency on flute. Students are exposed to flute chamber literature form all periods and cultures. Admission by permission of the instructor. This course may not be used for large ensemble requirements. May be repeated up to four hours of credit.

MUSC 3815 Clarinet Choir (1). Course intended for clarinet majors, and students with proficiency on clarinet. Students are exposed to clarinet literature form all periods and cultures. Admission by permission of the instructor. This course may not be used for large ensemble requirements. May be repeated up to four hours of credit.

MUSC 3816 Saxophone Quartet (1). Course intended for saxophone majors, and students with proficiency on saxophone. Students are exposed to saxophone chamber literature form all periods and cultures. Admission by permission of the instructor. This course may not be used for large ensemble requirements. May be repeated up to four hours of credit.

MUSC 3818 Double-Reed Ensemble (1). Course intended for double reed majors and students with proficiency on double reeds. Students are exposed to appropriate literature from all periods and cultures. Admission by permission of the instructor. This course may not be used for large ensemble requirements. May be repeated up to four hours of credit.

MUSC 3819 Woodwind Quintet (1). Course intended for double reed, single reed, and French horn majors, and students with proficiency on listed instruments. Students are exposed to woodwind chamber literature form all periods and cultures. Admission by permission of the instructor. This course may not be used for large ensemble requirements. May be repeated up to four hours of credit.

MUSC 3830 Trumpet Choir (1). Course intended for trumpet majors, and students with proficiency on trumpet. Students are exposed to trumpet chamber literature form all periods and cultures. Admission by permission of the instructor. This course may not be used for large ensemble requirements. Rehearsals are to be arranged. May be repeated up to four hours of credit.

MUSC 3835 Horn Ensemble (1). Course intended for French horn majors, ands students with proficiency on French horn. Students are exposed to trombone chamber literature from all periods and cultures. Admission by permission of the instructor. This course may not be used for large ensemble requirements. May be repeated up to four hours of credit.

MUSC 3836 Trombone Choir (1). Course intended for trombone majors, and students with proficiency on trombone. Students are exposed to trombone chamber literature form all periods and cultures. Admission by permission of the instructor. This course may not be used for large ensemble requirements. May be repeated up to four hours of credit.

MUSC 3837 Tuba Ensemble (1). Course intended for tuba majors and students with proficiency on tuba. Students are exposed to tuba literature from all periods and cultures. Admission by permission of the instructor. This course may not be used for large ensemble requirements. May be repeated up to four hours of credit.

MUSC 3839 Brass Quintet (1). Course intended for brass majors, and students with proficiency on brass. Students are exposed to brass literature from all periods and cultures. Admission by permission of the instructor. This course may not be used for large ensemble requirements. May be repeated up to four hours of credit.

MUSC 3850 Percussion Ensemble (1). Course intended for percussion majors, and students with proficiency on percussion. Students are exposed to percussion literature from all periods and cultures. This course may not be used for large ensemble requirements. May be repeated for up to 4 hours of credit.

MUSC 3870 Jazz Ensemble (1). Membership open to all University students by audition. Ensemble performs traditional and contemporary jazz. This course may not be used for large ensemble requirements. May be repeated for up to 4 hours of credit.

MUSC 3875 Jazz Combo (1). Membership open to all University students by audition. Ensemble performs traditional and contemporary jazz composed specifically for small jazz group. The course may not be used for large ensemble requirements. May be repeated up to four hours of credit.

MUSC 3890 String Ensemble (1). Open to students with proficiency on a string instrument and permission of instructor. Course included the study and performance of literature for chamber strings. This course may be used for large ensemble requirements. May be repeated up to eight hours of credit.

MUSC 3898 Guitar Ensemble (1). Course intended for guitar majors and student with proficiency on guitar. Students are exposed to guitar chamber literature from various periods and cultures. Admission by permission of the instructor. Rehearsals are to be arranged. May be repeated up to four hours of credit.

Music Education

MUSC 3711 Foundations of Music Education (3). A study of principles, methods, materials, objectives, and procedures for teaching music in primary and secondary schools. Clinical and field-based experiences which call for active participation for students are part of the course requirements. Prerequisite: junior standing in Music and official admission to the Teacher Education Program.

MUSC 3712 Vocal Methods (3). A study of principles and problems of teaching voice, managing and directing choral organizations, and analyzing and evaluating choral materials. Clinical and field-based experiences which call for active participation by students are part of the course requirements. Required of all students seeking certification in Music who wish an emphasis in teaching voice. Prerequisite: permission of instructor and official admission to the Teacher Education Program.

MUSC 3713 Instrumental Methods (3). A study of methods, philosophies, materials, and objectives for teaching instrumental music from grade four through grade twelve. Clinical and field-based experiences which call for active participation by students are part of the course requirements. Prerequisite: permission of instructor and official admission to the Teacher Education Program.

MUSC 4720 Enhanced Student Teaching in Elementary and Secondary Schools (9). A semester-long experience of supervised practice teaching, appropriately divided between primary and secondary schools. Prerequisite: successful completion of all certification courses except EDCI 4705, which is taken concurrently.

Theory and Composition

MUSC 1011 Materials of Music (3). A course designed to prepare students, through instruction and practical application of knowledge, to read, write, and hear music. A student may be exempted from this course and move directly to MUSC 1210 by passing the entrance examination in theory. This fundamental course does meet requirements toward music degrees.

MUSC 1210, 1211 Freshman Theory I, II (3, 3). Basic notation, intervals, scales, and modes; rhythms; contrapuntal harmony, written and keyboard; sight singing; ear training; harmonic and form analysis. Prerequisite: passing score on entrance examination in theory, follow course sequence.

MUSC 1250, 1260 Freshman Aural Skills I, II (1, 1). Practical training for the ear. Emphasis is on gaining the ability to write down rhythms, melodies, and harmonic progressions. To be taken concurrently with MUSC 1210, 1211. Prerequisite: passing score on entrance examination in theory, follow course sequence.

MUSC 2210, 2212 Sophomore Theory I, II (3, 3). Aural and written harmony; keyboard harmony; figured bass; counterpoint; sight singing; ear training; analysis. Prerequisite: MUSC 1211.

MUSC 4010 Practicum in Arranging (2). Individual projects supervised by a practicing professional arranger. Prerequisites: permission of instructor and junior standing in Music.

MUSC 4210, Form and Analysis I, (3). A study of compositions in the smaller and larger forms. Prerequisite: MUS 2212.

MUSC 4211 20TH/21ST Century Music (2). The study and analysis of 20th and 21st Century art music, its major trends, composers, and compositional devices. Begins with traditional tonality, continues with Neo-Classicism, atonal and serial works, electronic and avant garde styles, and post-minimalism. Also examines the importance of jazz, and accomplishments of African-Americans, and women composers. Keeps abreast of current developments in 21st Century music. Music forms to be studied include symphony, string quartet, opera, performance art, and film scores. Prerequisite: MUSC 2212.

MUSC 4310 Orchestration (3). A systematic study and application of the techniques for using the capabilities of orchestral and band instruments in music composition. Prerequisite: MUSC 2212

Commercial Music

MUSC 1640 Country Fiddle (3). Emphasis on folk (including Bluegrass) violin performance. Prerequisite: permission of instructor.

MUSC 2410, 2420 Intermediate Songwriting I, II (2-3, 3). Skills and techniques of crafting original material. Creative writing, analysis of standard songs, and critiquing works performed in class. Prerequisite: MUSC 1420. MUSC 2410 may be repeated once for credit.

MUSC 2610 Music and Technology (3). Introduction to computer music workstation environments. Fundamentals of MIDI (Musical Instrument Digital Interface), sequencing, signal routing, synthesis, and notation. Prerequisite: MUSC 1101.

MUSC 2710 Introduction to Commercial Music (3). Overview of the practices and procedures of the music industry, including such topics as development of artists, songwriting, publishing, recording, record companies, record marketing and promotion, and legal issues. A general introduction to the commercial music industry. No prerequisites.

MUSC 3010 Analysis and Creation of Popular Song (3). Study of form, rhythm, melody, harmony and lyrics in popular music, as well as development and application of skills and techniques needed to craft original compositions. Prerequisites: MUSC 1211 and permission of instructor.

MUSC 3030 Commercial Styles Seminar (0). Instruction in popular and commercial styles and their practical application. Course is oriented toward performance and production, weekly performances for peers. No prerequisites. May be repeated for up to 8 hours of credit.

MUSC 3040 Rehearsal Techniques (2). Simple conducting, organizational principles, and the Nashville number system. Emphasis is on recognizing and attaining quality outcome and on the efficient use of time. Prerequisite: permission of instructor.

MUSC 3190 Intensive Skills (2). Mastery of rapid reading and hearing comprehension. Level of required achievement varies with the specialization. Prerequisites: MUSC 2212.

MUSC 3385 History of Popular Music (2). An examination of American popular music from 1840 to present, which includes select performers, business persons, and technology, as well as significant political and social events that also impacted the development of popular music. Course includes listening and viewing examples. Prerequisite: MUSC 2710.

MUSC 3515 Junior Recital (1). Credit given only upon successful completion of public junior recital.. Prerequisite: permission of major applied instructor.

MUSC 3610 Basic Studio (3). Practical experience in the recording studio and the study of basics, including rudimentary physics of sound, function of basic equipment, principles of microphone placement, and mixing down. Prerequisite: MUSC 2610..

MUSC 3630 Advanced Sound Production (3). Continuation of MIDI and sound-processing experience. Prerequisite: MUSC 2610.

MUSC 3710 Music Business and Law (2). Study of music licensing, intellectual property rights, contracts, and marketing of music. Prerequisite: MUSC 2610.

MUSC 4010 Internship (3). Onsite, hands-on experience in student's area of specialization, e.g., recording, sequencing, performing, and arranging. Interns must have completed at least ten hours of commercial music courses. May be repeated for up to 12 hours of credit. Prerequisite: junior standing.

MUSC 4110 Piano Tuning and Maintenance (2). A hands-on course on how to tune pianos. Students learn to use the tuning, dampers, and other devices essential to successful tuning maintenance of pianos. Prerequisite: MUSC 1210.

MUSC 4410 Arranging (3). Practical survey of commercial arranging styles. Course includes production of arrangements in several styles and study of practices and conventions of a broad range of categories, including jingles, television, movies, jazz ensembles, marching bands, and school choruses. Prerequisite: MUSC 4310.

MUSC 4515 Senior Project (1). The capstone project that is the culmination of a student's interests and studies in Commercial Music. The project is determined with input from the student, but finalized and coordinated with the Coordinator of Commercial Music and the Department Head. Prerequisite: permission of the Coordinator of Commercial Music and the Department Head.

MUSC 4615 Audio for Video (3). Examines the theories, technology, practices and art used in the creation of custom music and sound effects and incorporation into modern film and video media in a postproduction setting. Course is taught in a lecture/lab format. Prerequisite: MUSC 4610.

MUSC 4810 Studio Maintenance and Repair (2). Emphasis on preventive maintenance of recording equipment, computers, synthesizers, and playback equipment. Course is designed for music technicians in charge of maintaining studio facilities. Prerequisite: MUSC 3610.

Music History, Literature, and Appreciation

MUSC 1010 Music Appreciation (3). Emphasis upon development of listening skill and on a broad repertoire of literature, including both Western and Nonwestern music. History is in included to help provide deeper meaning to the development of the music being studied. Course applies toward satisfaction of University general education humanities requirement.

MUSC 1020 Honors Music Appreciation (3). Honors version of MUSC 1020. An intensive course, with emphasis on expanding the student's exposure to musical literature representative of western and nonwestern cultures. Course applies toward satisfaction of University humanities requirement. Limited to Music majors and students in the University Honors Program.

MUSC 2350 Introduction to Afro-American Music (3). History of blues, gospel music, jazz, and African music, with emphasis on black artists and their contributions. Prerequisite: permission of instructor.

MUSC 3150 Folk Music (3). Folk music with emphasis upon that of the Southeastern United States. Prerequisite: MUSC 1010.

MUSC 3310 Introduction to Music Literature (3). An introductory course in music literature.

MUSC 3370, 3380 Music History I, II (3, 3). General study of the history of music. The course embodies an analytic approach to music of various periods and cultures. Prerequisite: MUSC 2211.

MUSC 4220 World Music (3). A study of world music with emphasis on the music of Africa, India, China, Indonesia and South America. Attention is given to the diversity music as influenced by geographical conditions, social and economic systems, values, beliefs, and ways of life. Prerequisite: MUSC 2211 and junior standing.

MUSC 4240, 4250 American Music I, II (3, 3). MUS 4240 treats music from colonial times through Charles Ives; MUSC 4250 covers music from 1930 to the present. Prerequisite: permission of instructor.

MUSC 4330, 4340 Seminar in Jazz (3, 3). Study of the history of jazz and an analysis of the styles and major contributors.

MUSC 4520, 4521, 4522 Special Topics I, II, III (1-3, 2, 3). Independent studies courses intended to serve students who would otherwise be impeded in normal progress toward earning their degree or who request additional in-depth directed research or study in a specific topic. May be taken for a maximum of 9 hours of credit per course. Prerequisite: permission of Department Head.

MUSC 3750 Jazz Improvisation Techniques I (1). A study of instrumental improvisation, including chord construction, chord progression, scale modes, scale patterns, and aural skills. Open to music majors or students who demonstrate proficiency on their instruments, with permission of instructor. Class is one hour credit. No prerequisites.

MUSC 3755 Jazz Improvisation Techniques II (1). A continuation of MUSC 3750, including chord construction, chord progression, scale modes, scale patterns, and aural skills. Open to music majors or students who demonstrate proficiency on their instruments, with permission of instructor. Class is one hour credit. Prerequisite: MUSC 3750

Department of Physics and Mathematics

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Faculty: D. Badamdorj, G. Bhatt, O. Bignall, G. Burks, K. Daniels, M. Fair, K. Ganesan, J. Jackson, P. Jara, J. Kelley, M. Mirani, M. Mutterspaugh, G. Nagarajan, L. Ouyang, M. Rajagopalan, R. Richardson, M. Reed, M. Sarkar, S. Sathananthan, S. Scheick, K. Semenya, G. Yang.

General Statement: The objectives of the Department are: (1) to provide programs of study for those who desire to pursue an undergraduate major in mathematics or physics, or a minor in physics, mathematics or astronomy; or who desire to pursue the interdisciplinary degree program with a concentration in one of these disciplines; (2) to provide courses designed to satisfy the mathematics and physics requirements for the several colleges and schools of the University; (3) to provide a limited number of courses in statistics; and (4) to provide services to the University and the wider community related to the academic mission of the Department. The Department offers curricula leading to B.S. degrees in Mathematics and Physics. The Department also offers an Interdisciplinary Degree with concentrations in either of these disciplines. In addition, students may earn secondary school licensure in Mathematics through the Department.

Accreditation: The teacher certification program in Mathematics is approved by the Tennessee Department of Education. In addition, the National Council on the Accreditation of Teacher Education (NCATE) has extended national accreditation to the entire teacher certification program of the University.