The Dana School of Music began in 1869 as Dana's Musical Institute in Warren, Ohio. It was merged with Youngstown College in 1941.

The School complements the general objectives of the University by providing intensive professional training in music based on a thorough understanding of the fundamental skills and theory upon which all music rests and also providing an opportunity for the non-music major to develop a background of musical knowledge.

The requirements for entrance and for graduation are in accordance with the published regulations of the National Association of Schools of Music, of which the Dana School of Music is a member.

Accreditation
The Dana School of Music is accredited by the National Association of Schools of Music (NASM) (https://nasm.arts-accredit.org).

- Date of Initial Accreditation: 9/1/1947
- Year of Most Recent Comprehensive Review: 2010
- Academic Year of Next Scheduled Comprehensive Review: 2020-2021

Learning Outcomes
The student learning outcomes for the major in music are as follows:

- Students will perform a public recital in their applied area.
- Students will analyze music, discriminate pitch, harmony, and rhythm and perform harmonic progressions at the piano.
- Students will demonstrate an understanding of the various historical periods, including selected works and composers, genres, social contexts, artistic traditions, and critical thinking.
- Students will demonstrate basic keyboard proficiency including scales, arpeggios, harmonization, repertoire, transpositions, and score reading.

Programs
The curriculum may be divided into six components:

- music education
- music theory
- music history
- performance
- music recording
- liberal arts

Bachelor of Music
Courses are available leading to the degree of Bachelor of Music with the major in:

- piano
- organ
- voice
- standard string, brass, or wind instruments
- percussion
- composition
- music education
- jazz

It is also possible to obtain a Bachelor of Music degree with emphasis in Music Recording.

Bachelor of Arts
In addition, it is possible to obtain the degree of Bachelor of Arts with majors in:

- music history
- music theory
- applied music

The BA degrees allow for work in minor areas. The BA in Applied Music allows for more extensive minor areas like nonprofit leadership.

Bachelor of Music in Education
In cooperation with the College of Education, the music education program prepares students for licensure as music teachers in the public schools and also provides other courses necessary for general elementary teaching certificates. Music education students have a variety of opportunities for observation and practice teaching through excellent cooperation between the University and area schools.

Facilities
The Dana School is one of four departmental units in the College of Creative Arts and Communication. The school is housed in Bliss Hall, which provides practice rooms, faculty studios, classrooms, rehearsal rooms and a recital hall with a seating capacity of 237. Additional use is made of Stambaugh and Powers auditoriums.

Equipment
Equipment includes

- 92 Steinway pianos
- 30 MIDI pianos
- harpsichords by Dowd
- two Schlicker pipe organs
- three Flentrop pipe organs
- consort of Renaissance wind and brass instruments
- a comprehensive collection of standard band and orchestral instruments

Many University-owned instruments are available for use by students enrolled in related courses. There is no charge for use of these instruments, although failure to comply with check-in deadlines will result in a $5.00-a-day fine or replacement for each instrument.

MIDI Classroom
Bliss Hall offers students the opportunity to work with state-of-the-art music computer software and hardware, including advanced music notation, music sequencing (composition/arranging) and automatic accompaniment applications. The classroom features Macintosh workstations, each fully MIDI-equipped.

Music Recording Studio
The Dana Recording Studio centers around a 12 core Intel Mac tower running Avid Pro-Tools 11, MOTU Digital Performer 7.24, and Apple Logic DAWs software. We have Universal Audio Apollo interfaces and a Tascam DM4800 fully automated mix surface which also serves as an additional audio interface. The studio utilizes outboard Kurzweil and Roland keyboards, controllers, and synths, as well as Reason 7 and the Native Instruments Komplete 10 software package. We feature Shure Large Diaphragm Condenser mics, Audio Technica SDC mics, Shure Beta 58s and 57s. Rounding out our mic locker is a matched pair of Cascade Fathead II ribbon microphones. We are currently exploring the potential of adding audio over IP. We use Genelec 1031 monitoring system with 7050b Sub.
Libraries
The school’s extensive libraries of band, orchestral, and choral music represent musical periods from the Renaissance to the present. Maag Library contains books, printed music, records, CDs, videos, and CD ROMs.

Scholarships and Loans
The Dana School of Music offers a wide range of scholarships, which are awarded, after competitive auditions, on the basis of talent and academic achievement. For other scholarships, see Loans and Scholarships in the Scholarships and Financial Aid section.

Musical Activities, Ensembles
The Dana School of Music supplements the concerts offered by community ensembles with the Dana Concert Series. This series brings to the University and to the public artistic solo and ensemble programs featuring faculty members and guest artists, composers, and musicologists.

The School has numerous performing ensembles:
• the Dana Chorale
• the University Chorus
• the Wind Ensemble
• the Concert Band
• the Marching Band
• Dana Symphony Orchestra
• Opera Workshop
• the Jazz Ensemble
• Jazz Combos
• Woodwind, Brass, String and Percussion Ensembles
• the Chamber Orchestra
• the Early Music and Composers Ensembles

Music
Many campus musical ensembles are open to all students of the University. For these, see the Dana School of Music in the College of Creative Arts and Communication section of this Catalog. For more information visit Dana School of Music (http://web.ysu.edu/ccac/music).

Student Activities
Music students may participate in all Youngstown State University student activities. Of special interest to music students are the student chapters of:
• the Ohio Collegiate Music Educators Association
• Early Music Society
• New Music Society
• Dana Opera Society
• the Jazz Society
• Phi Mu Alpha
• Sigma Alpha Iota
• Dana Research Society
• Youngstown Percussion Collective

Fees
See the Fees and Expenses (http://catalog.ysu.edu/archives/2016-2017/undergraduate/general-information/tuition-fees-charges) section of the Undergraduate Catalog.

Application and Admission Examinations
An applicant for admission to the Dana School of Music must satisfy the general requirements for admission to the University (see the Admission section).

Applicants are required to pass entrance auditions in their performance area and to take placement examinations in music theory and piano. These auditions and examinations are on announced dates preceding the commencement of classes in the fall.

Admission to Courses for the Degree of Bachelor of Music
The applicant’s high school courses should include the preparatory courses specified under High School Preparation of this Catalog.

Musical Proficiency
It is expected that the applicant will have developed a certain proficiency in one or more branches of applied music before entering the University, as certain standards in technique and repertory must be met. Qualifications are determined by the placement tests mentioned above; the student not qualifying for the first regular course in a major branch of applied music must take preparatory work until ready to undertake the regular courses.

The Dana School of Music theory placement examination is used to determine theory proficiency. Those scoring less than the 80th percentile will be assigned to MUTC 1520 Materials of Music, while those scoring above the 80th percentile will be assigned to MUTC 1531 Musicianship 1.

Prospective composition majors must present evidence of ability to handle the materials of music by placing at or above the 80th percentile of the Dana School of Music theory entrance examination. Proficiency on a musical instrument sufficient for admission to the freshman level of applied music must be demonstrated before the appropriate applied faculty in an audition.

Admission from Other Institutions
The general policy is stated in the Academic Policies and Procedures section. Advanced standing in musical performance and in music theory is granted tentatively and must be validated by examinations.

Requirements for the Degree Bachelor of Music
It is the student’s responsibility to see that all the graduation requirements for the degree sought are satisfied. These degrees may be earned in eight semesters if students average 16-18 hours per semester. For the Bachelor of Music degree, these consist of:

Pre-college or preparatory study, of two kinds
1. Academic. These courses are normally taken in high school. Deficiencies must be overcome prior to completing 60 semester hours at YSU.
2. Musical. An entrant lacking suitable proficiency must develop it before undertaking the required college-level music courses.

University Requirements
Non-music courses and other requirements to be completed in the University are listed in the Degree Requirements chart at the beginning of the College of Creative Arts and Communication section.

Degree Requirements
Curricula leading to music degrees require from 126 to 137 semester hours of credit and are designed to be completed in four academic years.
Double Major: Music Performance and Music Education

Students who wish to complete a major (Bachelor of Music degree) in an instrument or in voice, theory, or composition, and also a major in music education, should consult the director of the Dana School of Music.

While the Dana School of Music offers a variety of degrees and majors in music, it is our desire that all music students have significant musical experiences as a foundation for more specialized training.

Curricular

For All Music Majors

Acceptance into a performance area is contingent upon an audition. The student not qualifying for Music 1501 may take the relevant course 1500 until the deficiency is corrected.

Advanced standing in performance may be granted tentatively after an examination given by members of the faculty. The final classification is made at the end of the first semester of resident study.

Enrollments in applied music are contingent upon the approval of the director of the Dana School of Music, with priority given to full-time music majors and music minors participating in major ensembles.

Teacher Assignment

Assignment of students to teachers is made by the area coordinator. Requests for change of teacher should be addressed to the coordinator in writing. A student's choice of teacher will be respected as far as possible, but final assignment rests with the director of the School of Music.

Lessons

Students registered for 4 s.h. courses receive 50-minute individual instruction and one 50-minute seminar weekly. They are required to practice three hours daily. Students registered for 2 and 3 s.h. courses receive 50-minute individual instruction and one 50-minute seminar weekly; they are required to practice two hours daily. Students registered for A and B applied courses receive individual instruction for 30 minutes each week and are required to practice one hour daily.

No credit will be given in a performance course if the student misses more than three lessons in any semester. Lessons missed due to legal holidays or school closings will not be made up. In case of prolonged illness the lessons may be made up at the discretion of the teacher.

Recitals

Recognizing that performing before an audience plays a vital role in musical development, the Dana School offers its students many opportunities to appear in public as a way to foster that development. Attendance at 30 recitals is mandatory in the first two years.

Convocation

The assistant director of the School arranges weekly programs of lectures, student and faculty performances. Attendance at 36 convocations is mandatory in the first two years.

Young Artist Competition

An annual concert by the Dana Symphony Orchestra features student soloists chosen by competition.

Dana Young Scholars Award

Dana Young Scholars Award celebrates student research in music. The competition is open to all graduate and undergraduate students at the sophomore level or higher who are enrolled in a music degree at the Dana School of Music.

Degree and Non-degree Recitals

Each candidate for the degree Bachelor of Music must present a senior recital in partial fulfillment of the graduation requirements. Performance majors must present a half-hour recital their junior year and a one-hour recital their senior year. Composition majors must present 75 minutes of music, and music education majors a half-hour recital of music. Outstanding students may present non-degree recitals, subject to certain conditions (for particulars, consult the coordinator of the Dana Concert Series). Planning for all these recitals should include selection of varied and balanced repertory, preparation of properly detailed copy for the printed program and program notes, and consideration of performance aspects such as attire, stage deportment, and ways to attract an audience. A recital hearing will be held no later than 21 days prior to the projected recital date. During that time a student who plans to present a degree recital must be prepared to perform the recital program for faculty approval.

All students registered for major-level applied lessons must attend weekly seminars as posted in the schedule of classes.

Examinations

During examination week of each term, performance faculty members convene to determine whether or not students may proceed to the next higher proficiency level (performance course number). Frequency of required examinations differs among the various performance areas (for specifics consult the syllabus of the performance area concerned). Transfer students are examined at the end of their first or second term of study, as established by the individual performance area. Students presenting an approved degree recital may be granted a waiver of examination for the term of the recital. Students may be retained in the same proficiency level with a grade of C or lower or with a grade of PR. Students who fail to meet the standards of the examining faculty may be required to reduce the number of credits for which they register in subsequent terms; or they may be required to withdraw completely from the course sequence.

Each applied area (keyboard, brass, etc.) may vary the above to meet certain needs. Consult with area coordinator for details.

For more information, visit the Dana School of Music (http://web.ysu.edu/ccac/music).

Jazz or Applied/BA Major

The following courses differ only in degree from those listed under Performance Major according to the credit hours earned. (See courses Applied Studio Instruction for specific requirements.) A high standard of proficiency is expected. For the jazz major, junior and senior recitals are required.

Music Education Major

The following courses differ only in degree from those listed under Performance Major according to the credit hours earned. (See courses Applied Studio Instruction for specific requirements.) Concentration in the development of basic technics relative to teaching in the elementary and secondary school systems is an integral component of study. A high standard of proficiency is expected. Senior recital required. This degree may be earned in eight semesters if students average 17 hours per semester.

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Dana School of Music

ENGL 1550 Writing 1
ENGL 1551 Writing 2
CMST 1545 Communication Foundations

Mathematics Requirement 3
Arts and Humanities 6
Natural Science 6
Social Science 6
Social and Personal Awareness 6
General Education Elective 3

Major Requirements
1501, 1502. See Performance Major 2+2
2601, 2602. See Performance Major 2+2
3701, 3702. See Major/Performance 2+2
4801. See Performance Major 2

Total Semester Hours 44-50

Ensembles
There are two types of ensembles in the Dana School of Music:

• large ensembles
• chamber ensembles

Large ensembles rehearse a total of three or four hours per week, and chamber ensembles for two hours per week.

Large Ensembles

<table>
<thead>
<tr>
<th>COURSE</th>
<th>TITLE</th>
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<tbody>
<tr>
<td>MUEN 0002</td>
<td>Dana Chorale</td>
<td>1</td>
</tr>
<tr>
<td>MUEN 0003</td>
<td>Dana Madrigal</td>
<td>1</td>
</tr>
<tr>
<td>MUEN 0004</td>
<td>University Chorus</td>
<td>1</td>
</tr>
<tr>
<td>MUEN 0005</td>
<td>Concert Band</td>
<td>1</td>
</tr>
<tr>
<td>MUEN 0006</td>
<td>Marching Band</td>
<td>1</td>
</tr>
<tr>
<td>MUEN 0007</td>
<td>Wind Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUEN 0008</td>
<td>Symphony Orchestra</td>
<td>1</td>
</tr>
<tr>
<td>MUEN 0023</td>
<td>Jazz Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUEN 0040</td>
<td>University Band (spring only)</td>
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Chamber Ensembles

<table>
<thead>
<tr>
<th>COURSE</th>
<th>TITLE</th>
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<tr>
<td>MUEN 0009</td>
<td>Percussion Ensemble</td>
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<tr>
<td>MUEN 0010</td>
<td>String Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUEN 0012</td>
<td>Opera Workshop</td>
<td>1</td>
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<tr>
<td>MUEN 0013</td>
<td>Contemporary Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUEN 0014</td>
<td>Women's Chorus</td>
<td>1</td>
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<tr>
<td>MUEN 0015</td>
<td>Early Music Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUEN 0016</td>
<td>Woodwind Ensemble</td>
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</tr>
<tr>
<td>MUEN 0017</td>
<td>Brass Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUEN 0018</td>
<td>Horn Choir</td>
<td>1</td>
</tr>
<tr>
<td>MUEN 0019</td>
<td>Trombone Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUEN 0020</td>
<td>Tuba Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUEN 0021</td>
<td>Brass Chamber Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUEN 0022</td>
<td>Trumpet Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUEN 0024</td>
<td>Composer's Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUEN 0026</td>
<td>Chamber Orchestra</td>
<td>1</td>
</tr>
<tr>
<td>MUEN 0028</td>
<td>Chamber Winds</td>
<td>1</td>
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<tr>
<td>MUEN 0029</td>
<td>Guitar Ensemble</td>
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<tr>
<td>MUEN 0030</td>
<td>Jazz Combo</td>
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<tr>
<td>MUEN 0035</td>
<td>Saxophone Quartet</td>
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<tr>
<td>MUEN 0041</td>
<td>Basketball Pep Band (spring only)</td>
<td>1</td>
</tr>
<tr>
<td>MUEN 0051</td>
<td>Piano Chamber</td>
<td>1</td>
</tr>
</tbody>
</table>

Ensemble courses are open to all students in the University who are qualified for them and any ensemble course may be repeated any number of semesters.

Instrumental (music education) majors are required to spend one (1) semester in a vocal ensemble.

Requirements in addition to the above but unique to each ensemble:

• Opera workshop 0012 culminates in the production of one or more operas. Credit is given in accordance with the amount of work chosen by the student, ranging from one to three semester hours.
• Woodwind and brass ensembles may include quartets, quintets, and various other combinations of instruments. 1 s.h. each

For more information, visit the Dana School of Music.

Chair
Randall E. Goldberg, Ph.D., Chair

Professors
Ewelina Boczkowska, Ph.D., Associate Professor
Kent J. Engelhardt, Ph.D., Professor
Francois P. Fowler, D.M., Associate Professor
Stephen L. Gage, Ed.D., Professor
Randall E. Goldberg, Ph.D., Associate Professor
Daniel Keown, Ph.D., Assistant Professor
Brian D. Kiser, D.M.A., Associate Professor
Christopher Krummel, D.M.A., Professor
Hae-Jong Lee, D.M.A., Associate Professor
J. Paul Louth, Ph.D., Associate Professor
Stacie Renee Mickens, D.M.A., Assistant Professor
David S. Morgan, D.M.A., Professor
Allan Mosher, D.M.A., Professor
Caroline Oltmanns, D.M.A., Professor
Phyllis Paul, Ph.D., Professor
Brandt Payne, D.M.A., Associate Professor
Steven M. Reale, Ph.D., Associate Professor
Jena Root, Ph.D., Associate Professor
Glenn Schaft, D.M.A., Professor
James C. Umble, D.M.A., Professor
Kathryn T. Umble, D.M.A., Associate Professor
Alice M. Wang, D.M.A., Associate Professor
Nancy Andersen Wolfgang, Ph.D., Assistant Professor
Cicilia Yudha, D.M.A., Assistant Professor
Minors


Music Applied Classes

MUAC 1521 Keyboard Musicianship for Non-Music Majors 1 1 s.h.
Intended for the student with no previous music studies, this first-semester course develops fundamental piano playing, through the study of music fundamentals and repertoire.

MUAC 1522 Keyboard Musicianship for Non Music Majors 2 1 s.h.
Continuation of MUAC 1521. Intended for the student with no previous music studies, this second-semester course develops fundamental piano playing, through the study of music fundamentals and repertoire.
Prereq.: MUAC 1521 or permission of instructor.

MUAC 1556 Singer's Diction: English/Italian 1 s.h.
Application of the principles of Lyric diction; utilization of the International Phonetic Alphabet in developing and reading phonetics transcriptions of English, Italian song texts.

MUAC 1557 Singer's Diction: German 1 s.h.
Application of the principles of Lyric diction; utilization of the International Phonetic Alphabet in developing and reading phonetics transcriptions of German song texts.

MUAC 1558 Singer's Diction: French 1 s.h.
Application of the principles of Lyric diction; utilization of the International Phonetic Alphabet in developing and reading phonetics transcriptions of French song texts.

MUAC 1581 Keyboard Musicianship 1 1 s.h.
Elements of keyboard techniques, with emphasis on sight reading, harmonization of popular and/or folk tunes, and performance requirements of the jazz idiom. Classes must be taken in sequence.
Prereq.: MUAC 1521 or permission of instructor.
Coreq.: Major-level applied lessons (1501 or higher).

MUAC 1582 Keyboard Musicianship 2 1 s.h.
Prereq.: minimum grade of "C" in MUAC 1581 and Coreq.
MUAC 2567 Jazz Improvisation 1 3 s.h.
Jazz techniques with emphasis on analysis of harmonic progressions, form, style, and performance requirements of the jazz idiom. Classes must be taken in sequence.
Prereq.: MUAC 1525 or a grade of "B" or better on the Jazz Placement Test.

MUAC 2668 Jazz Improvisation 2 3 s.h.
Jazz techniques with emphasis on analysis of harmonic progressions, form, style, and performance requirements of the jazz idiom. Classes must be taken in sequence.
Prereq.: MUAC 1525 or a grade of "B" or better on the Jazz Placement Test.

MUAC 2681 Keyboard Musicianship 3 1 s.h.
A continuation and intensification of studies begun in MUAC 1581 and MUAC 1582, with emphasis on accompanying, score reading, harmonization (with secondary dominant chords), repertoire, and stylistic analysis. Technique: all major and minor scales, arpeggios.
Prereq.: minimum grade of "C" in MUAC 1582, placement exam by the Coordinator of Keyboard Musicianship; admission to Dana School of Music and enrollment in major-level lesson.
MUAC 2682 Keyboard Musicianship 4 1 s.h.
The last course in the keyboard musicianship sequence which started with MUAC 1581. Proficiency at the piano will be evaluated through performance of stylistically varied repertoire, advanced accompanying and harmonization, sight reading, transposition, and three- and four-part score reading. Technique: all major and minor scales, tonic arpeggios. Prereq.: minimum grade of “C” in MUAC 2681, placement exam by the Coordinator of Keyboard Musicianship; admission to Dana School of Music and enrollment in major-level lesson.

MUAC 2691 Accompanying 1 1 s.h.
A study of techniques useful in playing the piano for vocalists, with supervised studio and recital experience. May be repeated for credit.

MUAC 2692 Accompanying 1 1 s.h.
A study of techniques useful in playing the piano for vocalists, with supervised studio and recital experience. May be repeated for credit.

MUAC 2693 Accompanying 2 1 s.h.
A study of techniques useful in playing the piano for instrumentalists, with supervised studio and recital experience. May be repeated for credit.

MUAC 2694 Accompanying 2 1 s.h.
A study of techniques useful in playing the piano for instrumentalists, with supervised studio and recital experience. May be repeated for credit.

MUAC 3732 Brass Methods 1 s.h.
Designed to prepare students for instrumental music teaching relative to brass instruments. Emphasis on tone production, the harmonic series, technique development, ranges and transposition, pedagogy, troubleshooting, and arranging techniques for brass instruments. Meets 2 hours per week. Prereq.: FOUN 1501 and MUTC 1532.

MUAC 3733 Woodwind Methods 1 s.h.
Designed to prepare students for instrumental music teaching relative to woodwind instruments (flute, clarinet, oboe, bassoon, saxophone). Components include concepts of tone production, embouchure, articulation, and technique. Study material stresses common features as well as differences. Prereq.: FOUN 1501.

MUAC 3734 String Methods 1 s.h.
Designed to prepare students for instrumental music teaching relative to string instruments (violin, viola, cello, string bass). Components include concepts of tone production, bowing, fingering as well as evaluation of pedagogy. Study material stresses common features as well as differences. Prereq.: FOUN 1501.

MUAC 3735 Jazz Methods 1 s.h.
Designed to prepare students jazz teaching relative to instruments and voice. Components include fundamental techniques and approaches for directing small and large jazz ensembles, teaching of basic improvisation skills, rhythms section/soloist interaction, and stylistic interpretation. Students will demonstrate basic performance proficiencies in jazz on their applied instruments and/or voices. Meets 2 hours per week. Prereq.: FOUN 1501 or MUTC 1532.

MUAC 3755 Guitar Class 1 s.h.
Study of the guitar at the beginning level to explore techniques and approaches appropriate to school music instruction. A minimum level of performance is required. Prereq.: FOUN 1501.

MUAC 3759 Voice Class 1 s.h.
A study of voice at the beginning level to explore techniques and approaches appropriate to school music instruction. A minimum level of performance is required. May be repeated. Prereq.: FOUN 1501.

MUAC 3763 Percussion Methods 1 s.h.
Study of snare drum, marching percussion, timpani, jazz drum set, keyboard, Latin percussion, and orchestral accessories. Topics include instrument selection and maintenance techniques as well as pedagogical approaches. Designed to prepare students for instrumental music teaching careers. Prereq.: FOUN 1501.

MUAC 3781 Jazz Keyboard 1 1 s.h.
(For keyboard and non-keyboard majors). Class instruction and keyboard experience in jazz chordal voicing techniques and jazz accompanying techniques. Classes must be taken in sequence. Meets two days per week. Prereq.: MUAC 1582, MUAC 1525, a grade of “B” or better on the Jazz Placement Test, or permission of instructor.

MUAC 3782 Jazz Keyboard 2 1 s.h.
(For keyboard and non-keyboard majors). Class instruction and keyboard experience in jazz chordal voicing techniques and jazz accompanying techniques. Classes must be taken in sequence. Meets two days per week. Prereq.: MUAC 1582, MUAC 1525, a grade of “B” or better on the Jazz Placement Test, or permission of instructor.

MUAC 3786 Jazz Improvisation 3 3 s.h.
Advanced jazz techniques with emphasis on analysis of harmonic progressions, form, style, and performance requirements of the jazz idiom. Courses must be taken in sequence. Prereq.: MUAC 2668.

MUAC 4866 Jazz Improvisation 4 3 s.h.
Advanced jazz techniques with emphasis on analysis of harmonic progressions, form, style, and performance requirements of the jazz idiom. Courses must be taken in sequence. Prereq.: MUAC 2668.

Music Conducting
MUOC 3715 Choral and Instrumental Conducting 3 s.h.
Designed to develop skills, hone competencies, and share conceptual knowledge relative to the art and pedagogy of conducting. Students develop skills in conducting, score analysis and preparation, rehearsal techniques, and error detection, and create artistic interpretation with peer-lab ensemble. Prereq.: MUTC 2632.

Music Education
MUED 2611 Computer Applications in Music Education 2 s.h.
An overview of computer applications as they relate to the music educator. Specific hardware and software in music education will be discussed. Project topics: administrative software, music notation, MIDI, arranging and improvisation with computers, and designing multimedia. Meets two hours per week. Prereq.: MUTC 1532.

MUED 2622 Foundations of Music Education 2 s.h.
Introduction to the principles and current practices of teaching music in K-12 settings. Strategies and approaches to teaching music of various genres with emphasis on the unique challenges of public school music instruction in the 1st Century. Includes 15 hours of exploratory fieldwork. Topics include assessment, curricular design, student engagement, classroom management, and multiculturalism.

MUED 3722 Music in Early Childhood 3 s.h.
Fundamental skills, repertoire, materials, and techniques for teaching music to pre-kindergarten through third grade children. For non-music majors. Prereq.: CHFM 2633.

MUED 4823 Music Teaching in Early Childhood (Pre-K-3) 2 s.h.
A study of the role of music in the life of the child. An examination of principles, repertoire, and techniques of teaching music to children (ages pre-k through third grade). MUED 4821 or MUED 4822 recommended but not required. Prereq.: Upper-division status in the College of Education.
MUED 4824 Music Teaching in the Middle School 2 s.h.
Music materials and methods of instruction in middle schools with emphasis on understanding the physiological and psychological development of early adolescents in the context of general music class. Course content includes managing the learning environment, motivating students, developing music curricula, planning musical experiences and assessing musical behaviors. MUED 4821 or MUED 4822 recommended but not required.
Prereq.: Upper-division status in the College of Education.
MUED 4825 Music Teaching in the High School 2 s.h.
Methods of organizing, administering, and conducting music in the high schools; instruction methods, library organization, scheduling, curriculum, philosophy, technology, classroom management, festivals and competitive events. Includes an average of two hours of field experience or laboratory work per week.
Prereq.: Upper-division status in the College of Education and either MUED 4821 or MUED 4822.
MUED 4826 Instrumental Music Education 2 s.h.
Materials, methods and literature for teaching and administering elementary, middle school, and high school instrumental music programs. Emphasis on curriculum design, pedagogy, orchestration/arranging techniques, and learning theories related to jazz, concert, marching band, and orchestra.
Prereq.: Upper-division status in the College of Education and completion or concurrent enrollment in MUED 4823 or MUED 4824 or MUED 4825.
MUED 4827 Choral Music Education 2 s.h.
Materials, methods and literature for school vocal ensembles. Additional emphasis is on vocal pedagogy, show choir curriculum, and show design, including arranging/adapting literature for show choir ensemble.
Prereq.: Upper-division status in the College of Education and completion or concurrent enrollment in MUED 4823 or MUED 4824 or MUED 4825.
MUED 5814 Selected Topics in Music Education 2 s.h.
Course title will be listed each semester in the Schedule of Classes. May be repeated for credit with different topics.
Prereq.: MUED 4823 or MUED 4825.
MUED 5841 Music Workshop 1-3 s.h.
For students and teachers in service; topics may vary from year to year. Specific topics are announced each time the workshop is offered. May be repeated with different topic.
MUED 5858 Piano Pedagogy 3 s.h.
Methods and materials involved in teaching piano in private and classroom settings. Fundamentals of technique as well as repertoire. Supervised practice teaching.
Prereq.: Two years of applied keyboard.
MUED 5880 Vocal Pedagogy 1 s.h.
A comparative study of physiological and psychological approaches to voice instruction and their application to private and class instruction.
Prereq.: Two years of applied voice classes.

Music Ensembles
MUEN 0002 Dana Chorale 1 s.h.
Dana Chorale.
MUEN 0002P Dana Chorale 0 s.h.
Dana Chorale.
MUEN 0003 Dana Madrigal 1 s.h.
Dana Madrigal.
MUEN 0003P Dana Madrigal 0 s.h.
Dana Madrigal.
MUEN 0004 University Chorus 1 s.h.
University Chorus.
MUEN 0004P University Chorus 0 s.h.
University Chorus.
MUEN 0005 Concert Band 1 s.h.
Concert Band.
MUEN 0005P Concert Band 0 s.h.
Concert Band.
MUEN 0006 Marching Band 1 s.h.
Marching Band.
MUEN 0006P Marching Band 0 s.h.
Marching Band.
MUEN 0007 Wind Ensemble 1 s.h.
Wind Ensemble.
MUEN 0007P Wind Ensemble 0 s.h.
Wind Ensemble.
MUEN 0008 Symphony Orchestra 1 s.h.
Symphony Orchestra.
MUEN 0008P Symphony Orchestra 0 s.h.
Symphony Orchestra.
MUEN 0009 Percussion Ensemble 1 s.h.
Percussion Ensemble.
MUEN 0009P Percussion Ensemble 0 s.h.
Percussion Ensemble.
MUEN 0010 String Ensemble 1 s.h.
String Ensemble.
MUEN 0010P String Ensemble 0 s.h.
String Ensemble.
MUEN 0011 Men's Chorus 1 s.h.
Men's Chorus.
MUEN 0011P Men's Chorus 0 s.h.
Men's Chorus.
MUEN 0012 Opera Workshop 1 s.h.
Opera Workshop.
MUEN 0012P Opera Workshop 0 s.h.
Opera Workshop.
MUEN 0013 Contemporary Ensemble 1 s.h.
Contemporary Ensemble.
MUEN 0013P Contemporary Ensembles 0 s.h.
Contemporary Ensembles.
MUEN 0014 Women's Chorus 1 s.h.
Women's Chorus.
MUEN 0014P Women's Chorus 0 s.h.
Women's Chorus.
MUEN 0015 Early Music Ensemble 1 s.h.
Early Music Ensemble.
MUEN 0015P Early Music Ensemble 0 s.h.
Early Music Ensemble.
MUEN 0016 Woodwind Ensemble 1 s.h.
Woodwind Ensemble.
MUEN 0016P Woodwind Ensemble 0 s.h.
Woodwind Ensemble.
MUEN 0017 Brass Ensemble 1 s.h.
Brass Ensemble.
MUEN 0017P Brass Ensemble 0 s.h.
Brass Ensemble.
MUEN 0018 Horn Choir 1 s.h.
Horn Choir.
MUEN 0018P Horn Choir 0 s.h.
Horn Choir.
MUEN 0019 Trombone Ensemble 1 s.h.
Trombone Ensemble.
MUEN 0019P Trombone Ensemble 0 s.h.
Trombone Ensemble.
MUEN 0020 Tuba Ensemble 1 s.h.
Tuba Ensemble.
MUEN 0020P Tuba Ensemble 0 s.h.
Tuba Ensemble.
MUEN 0021 Brass Chamber Ensemble 1 s.h.
Brass Chamber Ensemble.
MUEN 0021P Brass Chamber Ensemble 0 s.h.
Brass Chamber Ensemble.
MUEN 0022 Trumpet Ensemble 1 s.h.
Trumpet Ensemble.
MUEN 0022P Trumpet Ensemble 0 s.h.
Trumpet Ensemble.
MUEN 0023 Jazz Ensemble 1 s.h.
Jazz Ensemble.
MUEN 0023P Jazz Ensemble 0 s.h.
Jazz Ensemble.
MUEN 0024 Composer's Ensemble 1 s.h.
Composer's Ensemble.
MUEN 0024P Composer's Ensemble 0 s.h.
Composer's Ensemble.
MUEN 0026 Chamber Orchestra 1 s.h.
Chamber Orchestra.
MUEN 0026P Chamber Orchestra 0 s.h.
Chamber Orchestra.
MUEN 0028 Chamber Winds 1 s.h.
Chamber Winds.
MUEN 0028P Chamber Winds 0 s.h.
Chamber Winds.
MUEN 0029 Guitar Ensemble 1 s.h.
Guitar Ensemble.
MUEN 0029P Guitar Ensemble 0 s.h.
Guitar Ensemble.
MUEN 0030 Jazz Combo 1 s.h.
Jazz Combo.
MUEN 0030P Jazz Combo 0 s.h.
Jazz Combo.
MUEN 0035 Saxophone Quartet 1 s.h.
Saxophone Quartet.
MUEN 0035P Saxophone Quartet 0 s.h.
Saxophone Quartet.
MUEN 0040 University Band 1 s.h.
University Band.
MUEN 0040P University Band 0 s.h.
University Band.
MUEN 0041 Basketball Pep Band 1 s.h.
Basketball Pep Band.
MUEN 0041P Basketball Pep Band 0 s.h.
Basketball Pep Band.
MUEN 0051 Piano Chamber 1 s.h.
Piano Chamber.
MUEN 0051P Piano Chamber 0 s.h.
Piano Chamber.

Music History and Literature
MUHL 2616 Survey of Jazz 3 s.h.
A historical survey of the origins, influences, and stylistic features of jazz from its beginnings to the present, with emphasis on performers, compositions, and innovations.
Gen Ed: Arts and Humanities.
MUHL 2616H Honors Survey of Jazz 3 s.h.
A historical survey of the origins, influences, and stylistic features of jazz from its beginnings to the present, with emphasis on performers, compositions, and innovations.
Gen Ed: Arts and Humanities.
MUHL 2617 Film Music 3 s.h.
A historical survey of the use of music in the motion picture. Examination of different styles in works by major composers.
Gen Ed: Arts and Humanities.
MUHL 2617H Honors Film Music 3 s.h.
A historical survey of the use of music in the motion picture. Examination of different styles in works by major composers.
Gen Ed: Arts and Humanities.
MUHL 2618 Rock n' Roll to Rock 3 s.h.
A historical survey of the evolution of rock n' roll into rock with emphasis on the interrelationships of the music and social and political influences and the interaction of rock with other musical styles.
Gen Ed: Arts and Humanities.
MUHL 2618H Honors Rock n Roll to Rock 3 s.h.
A historical survey of the evolution of rock n' roll into rock with emphasis on the interrelationships of the music and social and political influences and the interaction of rock with other musical styles.
Gen Ed: Arts and Humanities.
MUHL 2619 Music of Non-Western Societies 3 s.h.
A historical survey of music as it relates to the different cultures, with emphasis on the development of instruments, vocal practices and performance media within specific cultures.
MUHL 2620 Music of African Americans 3 s.h.
The study of African American musical genres from slavery to the present with focus on stylistic features, innovations, and the culture in which they were created. Topics may include Folk Music, Blues, Gospel, Ragtime, Jazz, Musical Theater, Art/Classical Music, Rhythm & Blues, Funk, Disco and House, Techno, Hip-Hop, Rap, Gender Issues, Popular Music Industry, and Musical Agency.
MUHL 2621 Music Literature and Appreciation 3 s.h.
The development of listening techniques applicable to Western and non-Western music through the comparison and contrast of the music of significant historical periods. For non-music majors.
Gen Ed: Arts and Humanities, International Perspectives, Social and Personal Awareness.
MUHL 2622 Popular Music in America 3 s.h.
The changing styles in American popular music from its origins to the present day studied through an examination of representative compositions and performers.
Gen Ed: Arts and Humanities.
MUHL 2623 Core Concepts of Music 1 s.h.
Introduction to the study of music and culture. Basic parameters of music and its function in society are explored. Two MUEN large ensembles other than Marching Band must be taken in addition to this course to satisfy the requirements for GER credit. 1 s.h.
MUHL 3771 Music History and Literature 1 3 s.h.
An introduction to the intersection of music and culture. Students will explore the cultural contexts and the social, economic, and technological forces that influence the creation and dissemination of music. In addition to the core content of the class, students will be introduced to parallel narratives in the visual arts, literature, and theater. Students will demonstrate, through examination and written assignments, their understanding of how music history is a function of cultural values and choices.
Prereq.: sophomore standing and MUTC 1520 or permission of instructor.
Gen Ed: Arts and Humanities.

MUHL 3772 Music History and Literature 2 3 s.h.
An introductory history of musical culture in Europe from Antiquity to 1750 C.E. Students will study the important composers and musical genres and the cultural contexts and social forces that influence the creation and dissemination of music. In addition to the core content of the class, students will be introduced to parallel narratives in the visual arts, literature, and theater. Students will also demonstrate, through examination and written assignments, their understanding of how music history is a function of cultural values and choices.
Prereq.: sophomore standing, MUTC 1520 or by examination, and MUHL 3771.
Gen Ed: Arts and Humanities.

MUHL 3773 Music History and Literature 3 3 s.h.
An introductory history of musical culture in Europe from 1750 C. E. to the present. Students will study the important composers and musical genres and the cultural contexts and social forces that influence the creation and dissemination of music. In addition to the core content of the class, students will be introduced to parallel narratives in the visual arts, literature, and theater. Students will also demonstrate, through examination and written assignments, their understanding of American musical styles and how they have developed within America’s unique historical context, demographics, and social structures.
Prereq.: sophomore standing and MUTC 1520 or by examination, and MUHL 3772.
Gen Ed: Arts and Humanities.

MUHL 3774 Music History and Literature 4 3 s.h.
A historical survey of music in America. Students will study the important composers and musical genres and the cultural contexts and social forces that influence the creation and dissemination of music. In addition to the core content of the class, students will be introduced to parallel narratives in the visual arts, literature, and theater. Students will also demonstrate, through examination and written assignments, their understanding of American musical styles and how they have developed within America’s unique historical context, demographics, and social structures.
Prereq.: sophomore standing and MUTC 1520 or by examination, and MUHL 3773.
Gen Ed: Arts and Humanities.

MUHL 3775 Jazz History 3 s.h.
Students will study and develop an understanding of jazz origins, influences, performers, compositions, and stylistic features from the turn of the century to the present. This will include study of early jazz, the swing era, bebop, cool, hard bop, post bop, modal music, modal chromatic music, free jazz, and fusion.
Prereq.: MUTC 1520 or minimum 80% on the music theory placement exam.

MUHL 3787 History and Appreciation of Art and Music 3 s.h.
(General) Illustrated lectures on art and music to develop the cultural growth of the non-art and non-music student. Art and music forms, comparisons of compositional styles, and discussion of the developments, influences, and experiments of the important periods to date. No prior training in art or music required. Not intended for Art majors. Listed also as ART 3787.

MUHL 5860 Keyboard Literature 3 s.h.
An investigation of the solo keyboard works of major composers from the earliest times to the present day.
Prereq.: MUTC 2632.

MUHL 5871 Baroque Music 3 s.h.
The evolution of musical styles during the period 1600-1750. A historical survey of documents and music literature of the time: opera from Monteverdi to Handel; keyboard and instrumental works; significant choral works, etc.
Prereq.: MUTC 2632, MUHL 3771, MUHL 3772, MUHL 3773, and MUHL 3774.

MUHL 5872 Eighteenth Century and the Viennese Classical School 3 s.h.
Musical developments from the decline of the baroque to the turn of the century; historical and stylistic elements contributing to the rise of classicism and culminating in the works of Mozart, Haydn, and Beethoven.
Prereq.: MUTC 2632, MUHL 3771, MUHL 3772, MUHL 3773 and MUHL 3774.

MUHL 5873 Opera History 3 s.h.
A historical survey of opera: its development as an art form from its beginnings to the present.
Prereq.: MUTC 2632, MUHL 3771, MUHL 3772, MUHL 3773 and MUHL 3774.

MUHL 5874 Nineteenth Century 3 s.h.
Musical developments from Beethoven through Wagner; aesthetic, formal, technical and historical trends with special emphasis on nationalism and the music drama.
Prereq.: MUTC 2632, MUHL 3771, MUHL 3772, MUHL 3773, and MUHL 3774.

MUHL 5875 Selected Topics in Music History 3 s.h.
A study of a specific topic to be announced each time the course is offered. May be repeated once with different topic.
Prereq.: MUTC 2632, MUHL 3771, MUHL 3772, MUHL 3773, and MUHL 3774.

MUHL 5879 Vocal Literature 3 s.h.
A study of vocal literature from all periods. Special emphasis on English language repertoire and on material especially suitable for high school students. Songs are prepared for performance in class.
Prereq.: MUTC 2632, MUHL 3771, MUHL 3772, MUHL 3773, and MUHL 3774.

Music Industry

MUIN 1561 Music Recording Workshop 4 s.h.
Introduction to the music recording process and the recording studio. An overview of music recording grounded in History and the principles of acoustics. An exploration of analog and digital technology involved in music recording. Two hours lecture, two hours lab.

MUIN 3700 Survey of Music Industry 2 s.h.
A general overview of the major functional areas of the music industry, with attention to the theoretical foundations and practical application of current business practices in the music industry.
Prereq.: Junior standing or permission of instructor.

MUIN 3762 Digital Sound Production 2 s.h.
An overview of MIDI and electronic musical instrument technology. Sequencers and mixing in the MIDI environment. Basic compositional techniques using MIDI and the computer, and the application of MIDI in the music recording environment.
Prereq.: MUIN 1561.

MUIN 3763 Digital Recording and Editing 2 s.h.
A study of both linear and non-linear music recording and editing. Various hardware and software options, as well as the production of recording projects in both domains.
Prereq.: MUIN 1561.

MUIN 3764 Advanced Microphone Techniques 2 s.h.
Investigation of the characteristics of different microphones, microphone design, microphone selection, and microphone placement. The accessories of various miking situations will be investigated. Experiments with different microphone techniques in both the analogue and digital domains.
Prereq.: MUIN 3763.

MUIN 3765 Advanced Recording Techniques 2 s.h.
Investigates advanced elements of music recording from the recording session procedures to product manufacture. Advanced techniques in noise reduction, amplification, sound compression, and synchronization.
Prereq.: MUIN 3764.

MUIN 4866 Recording Internship 3 s.h.
PRACTICUM IN APPROPRIATE MUSIC RECORDING ENVIRONMENTS. Addresses all aspects of the music recording industry. Students meet once a week on campus to share and discuss experiences from the intern position. A minimum of 12 hours per week will be spent in the field.
Prereq.: MUIN 3765 and senior standing in music recording.
Music Theory and Composition

MUTC 1520 Materials of Music 3 s.h.
Musical styles, listening concepts, and harmonic techniques as they relate to the literature of music. For students who do not qualify for MUTC 1531.

MUTC 1531 Musicianship 1 2 s.h.
Materials in tonal music. Harmonic progression, voice leading, counterpoint, and formal analysis, composition and arranging.
Prereq.: MUTC 1520 with a grade of "B" or better or a minimum score of 80% on the theory placement test.

MUTC 1531L Musicianship 1 Laboratory 2 s.h.
Practice and mastery of the fundamental skills of musicianship. Sight singing with practice in score-reading transpositions, aural recognition, and functional keyboard. MUTC 1520 with a grade of "B" or better or a minimum of 80% on the theory placement test.
Prereq.: Concurrent enrollment in MUTC 1531 expected.

MUTC 1532 Musicianship 2 2 s.h.
Materials in tonal music. Harmonic progression, voice leading, counterpoint, and formal analysis, composition and arranging.
Prereq.: MUTC 1531 and MUTC 1531L with grades of "C" or better.

MUTC 1532L Musicianship 2 Laboratory 2 s.h.
Practice and mastery of the fundamental skills of musicianship. Sight singing with practice in score-reading transpositions, aural recognition, and functional keyboard.
Prereq.: MUTC 1531 and MUTC 1531L with grades of "C" or better.

MUTC 2631 Musicianship 3 2 s.h.
Chromatic materials in tonal music. Part writing, harmonization, harmonic and formal analysis, and score-reading transpositions.
Prereq.: MUTC 1532 and MUTC 1532L with grades of "C" or better.

MUTC 2631L Musicianship 3 Laboratory 2 s.h.
Practice and mastery of advanced sight singing, aural recognition and piano skills.
Prereq.: MUTC 1532 and MUTC 1532L, both with grades of "C" or better.

MUTC 2632 Musicianship 4 2 s.h.
Chromatic materials in tonal music. Part writing, harmonization, harmonic and formal analysis, and score-reading transpositions.
Prereq.: MUTC 2631 and MUTC 2631L with grades of "C" or better.

MUTC 2632L Musicianship 4 Laboratory 2 s.h.
Practice and mastery of advanced sight singing, aural recognition and piano skills.
Prereq.: MUTC 2631 and MUTC 2631L, both with grades of "C" or better.

MUTC 3712 Jazz Arranging 1 3 s.h.
Scoring in the jazz idiom with emphasis on harmonic concepts, voicing procedures, form, and stylistic trends developed by major jazz composer-arrangers. Detailed study of instrumental techniques with projects scored for various size ensembles. Student arrangements are performed in reading sessions and concerts. Classes must be taken in sequence.
Prereq.: MUTC 1532 and MUAC 2668 or permission of instructor.

MUTC 3713 Jazz Arranging 2 3 s.h.
Scoring in the jazz idiom with emphasis on harmonic concepts, voicing procedures, form, and stylistic trends developed by major jazz composer-arrangers. Detailed study of instrumental techniques with projects scored for various size ensembles. Student arrangements are performed in reading sessions and concerts. Classes must be taken in sequence.
Prereq.: MUTC 1532 and MUAC 2668 or permission of instructor.

MUTC 3750 Analytical Techniques 3 s.h.
Analysis of representative repertoire from the Renaissance, Baroque, Classical, Romantic, and Contemporary periods.
Prereq.: MUTC 2632 and MUTC 2632L with grades of "C" or better.

MUTC 5821 Composition for Minors 2 s.h.
Composition in two- and three-part forms, and other compositions of small scope, such as variation and sonatina. Works are composed both for piano alone, and in combination with other instruments or voice. May be repeated by composition majors to meet requirements for freshman and sophomore composition for majors.
Prereq.: MUTC 2632 with a grade of "C" or better, or permission of instructor for composition majors.

MUTC 5822 Composition for Minors 2 s.h.
Composition in two- and three-part forms, and other compositions of small scope, such as variation and sonatina. Works are composed both for piano alone, and in combination with other instruments or voice. May be repeated by composition majors to meet requirements for freshman and sophomore composition for majors.
Prereq.: MUTC 2632 with a grade of "C" or better, or permission of instructor for composition majors.

MUTC 5828 Music Technology 3 s.h.
An exploration of the use of computers and technology in music. Applications related to composition, performance, analysis, teaching, and research.
Prereq.: MUTC 2632 with grade of "C" or better or permission of instructor.

MUTC 5830 Materials of 20th Century Music 3 s.h.
Study of the various elements of 20th century compositions, including melody, harmony, rhythm, texture, and form.
Prereq.: MUTC 2632 with a grade of "C" or better.

MUTC 5831 Modal Counterpoint 3 s.h.
Sixteenth century contrapuntal style including introduction of species technique; analysis of liturgical and secular repertoire; writing of imitative counterpoint with stylistic rhythms and cadences.
Prereq.: MUTC 2632 with a grade of "C" or better.

MUTC 5832 Tonal Counterpoint 3 s.h.
Contrapuntal style of baroque music including an analysis of examples in imitative and invertible counterpoint; writing two- and three-part inventions and three- and four-part fugal expositions.
Prereq.: MUTC 2632 with a grade of "C" or better.

MUTC 5833 Theory Seminar 3 s.h.
Topics in music theory not covered in regular upper-division offerings. May be repeated once with different topic.
Prereq.: MUTC 2632 with a grade of "C" or better.

MUTC 5834 Electronic Music 3 s.h.
Techniques of analog and digital synthesis including tape composition, musique concrete; advanced MIDI applications such as sequencing and sampling; and digital audio editing. Composition in electronic and mixed media.
Prereq.: For composition majors, COMP 1502 or equivalent; for non-composition majors, MUTC 2632 with a grade of "C" or better; for non-majors, permission of instructor.

MUTC 5840 Instrumentation 3 s.h.
Ranges, transposition, technical characteristics, and tonal features of the instruments. Scoring for large and small ensembles which are available as laboratory reading groups.
Prereq.: MUTC 2632 with a grade of "C" or better.