Students wishing to major in music must complete the standard undergraduate application for admission and return it to the Office of Admissions (https://www.uakron.edu/admissions/). A student cannot be formally admitted to the School of Music until admitted to the University.

To be accepted as a music major, both freshmen and transfer students must successfully complete an audition on their major applied instrument, complete The Undergraduate Placement Examination in Music Theory, and be evaluated in keyboard skills. Prospective students should contact the School of Music for information on specialized programs, as well as dates and times for The Undergraduate Placement Examination in Music Theory.

A student receiving a grade below C- in a required music course must repeat the course. Music Education majors receiving a grade below C in a required music course must repeat the course.

Changing Major Instruments
A student may later change his declared major instrument after being admitted to the School of Music, but must then audition and satisfy all requirements for the new area as an entering student.

Applied Music Requirements

**Studio Study (Private Lessons)** - Skill in at least one major area of performance must be progressively developed to the highest level appropriate to the student's major. All students majoring in music are required to enroll in applied music on their declared major instrument every semester. A performance major in the Bachelor of Music program must enroll for four credits in applied music each semester which equates to a one-hour lesson or two half-hour lessons each week. All other students enroll for two credits in applied music on their declared major instrument each semester which equates to a half-hour lesson each week.

Because of the tutorial nature of applied music study, there is an additional fee for applied music registration beyond the normal credit-hour tuition and general service fee.

The offering of applied music instruction is dependent upon the availability of instructors. Although students may request study with a given instructor, the audition does not guarantee study with a particular member of the faculty. The priority for assignment is as follows:

1. collegiate music majors;
2. music minors;
3. non-music majors who are members of University performing ensembles;
4. pre-college students in the high school/college program of the School of Music; and,
5. all others.

Students will not be eligible for applied music study if:

1. they fail to pass the entrance audition;
2. a particular instructor's studio is full;
3. the quality of work demonstrated is judged unacceptable by the applied instructor; or
4. faculty in the student's applied area conclude on the basis of a jury that a continuation of applied study is not merited.

Students in the studio are expected to exhibit a mature attitude and productive behavior.

**Levels of Applied Music Study**

The study of applied music is divided into seven course levels. These conform to levels of proficiency and the requirements of the various degree programs. Entrance to applied music is by audition. Advancement in level is by promotional jury examination only.

- **7520:000 Level** for elective credit in non-music programs, pre-college adults, preparatory program enrollment, and for correcting deficiencies before permission is granted to enroll at the 100 level. Credits in applied music at this level cannot be counted toward any degree requirements in music.

Music majors may apply a maximum of eight credits from any of the following levels to their degree program. A maximum of 32 credits may be counted toward degree requirements.

- 7520:100 - Freshman level
- 7520:200 - Sophomore level
- 7520:300 - Junior level
- 7520:400 - Senior level

**Minimum Performance Levels Required by Degree Program**

- **Bachelor of Arts** - Eight credits and completion of the 200 level in the primary applied performance area. No recital is required.
- **Bachelor of Music in Performance Major** — Thirty-two credits and completion of the 400 level in the primary applied performance area. A junior recital is required at the 300 level. A full senior recital is also required.
- **Bachelor of Music in Composition Major** — Sixteen credits and completion of the 200 level in the primary applied performance area. A full senior composition recital is required.
- **Bachelor of Music in Music Education** — Sixteen credits and completion of the 300 level in the primary applied performance area. A half senior recital is required.
- **Bachelor of Music in Jazz Studies** — Sixteen credits and completion of the 200 level in the primary applied performance area; additional completion of the 100 level in flute and clarinet for saxophone majors and the 200 level in classical guitar for electric guitar majors. A full senior recital is required.

**Jury System in Applied Music**

A promotional jury is the only way in which a student may advance from one course level to another. Each music major may take a promotional jury in his/her primary applied performance area once each year, after two semesters of study, and/or after the minimum number of credits is attained. However, a faculty member may require a student to take additional semesters of study prior to a promotional jury.

Each applied area is empowered to terminate applied study, and applied study will be terminated after three attempts at the same promotional jury level. A promotional jury may be used by a student studying applied music at the 000 level as an audition to the 100 level.
Applied Repertory of Study
Each applied music section (brass, composition, guitar, keyboard, percussion, piano, strings, voice, and woodwinds) has a published repertory of study requirements for each of the course levels. These requirements are available from the Applied Area Coordinator, individual applied instructors, and the School of Music (https://www.uakron.edu/music/) office.

Studio Classes
Each music major is required to attend the weekly 50-minute class taught by his applied instructor. Attendance at studio class is part of the requirement for applied music study, and reflects in the student’s grade in applied music. Performances in studio class are determined by the student’s applied instructor.

Sectional Recitals
Each applied section holds a sectional recital each week. Attendance by students studying in the section is required. Performances in sectionals are determined by the student’s applied instructor and area coordinator.

Applied Study for Non-music Majors
Non-music majors may enroll for applied music with the permission of the individual applied instructor or the area coordinator, whichever is appropriate to the area of study. Acceptance for studio study is based upon an audition, usually given the first week of classes. Only students who meet applied studio standards will be accepted for applied instruction.

Recital Attendance Requirements
Bachelor of Music majors are required to enroll and receive credit for eight semesters of 7500:157 Student Recital. Bachelor of Arts music majors are required to enroll and receive credit for four semesters. 7500:157 Student Recital carries no academic credit and has no fee. Further information on the attendance requirement is available in the School of Music office.

Ensemble Requirement
Enrollment in all ensembles requires permission of the instructor.

Major Conducted Ensemble Requirement
Students who are music majors must enroll for eight semesters in a major conducted performance ensemble on their declared major instrument. Guitar and keyboard majors should refer to the Memo of Agreement for specific ensemble requirements. Auditions for membership are held each year and occasionally each semester. All music majors are required to enroll in the major conducted ensemble as assigned by faculty and appropriate to their primary performance area every fall and spring semester.

Students pursuing a Bachelor of Music major in Performance, Theory, Composition, and Music Education must complete a minimum of eight semesters. However, keyboard majors in Music Education may substitute one year of a major choral ensemble in place of a Keyboard Ensemble. Four semesters are required for Jazz Studies majors, music minors, and those pursuing the Bachelor of Arts degree in music. Students who do not complete degree requirements within eight semesters must continue to enroll in a major conducted ensemble each semester until all graduation requirements are met, except during the semester when student teaching.

Major conducted Ensembles include: Concert Choir, Guitar Ensemble, Keyboard Ensemble, Wind Symphony, Symphonic Band, Concert Band, and University Symphony Orchestra.

Non-major Conducted Ensemble Requirement
Non-major conducted ensembles may be taken in addition to, but not instead of, major conducted ensembles. Jazz Studies majors are required to complete eight credits in jazz ensembles in addition to four semesters of major conducted ensembles. Non-major conducted Ensembles include: the Akron Symphony Chorus, Brass Choir, Chamber Orchestra, Instrumental Ensembles, Jazz Ensemble, Jazz Lab Band, Marching Band, New Music Ensemble, Steel Drum Band, Blue and Gold Brass (Basketball Band), and Opera/Lyric Theatre.

Unconducted Ensembles
Unconducted ensembles may be taken in addition to, but not instead of, major conducted ensembles. Unconducted ensembles include: Brass Ensembles, Jazz Combos, Mixed Ensembles, Percussion Ensembles, String Ensembles, Vocal Ensembles, and Woodwind Ensembles.

Ensemble credit is repeatable.

Minimum Proficiency Requirements in Keyboard and Voice
All music majors must meet minimum proficiencies in keyboard and voice. Keyboard proficiency is met by successfully completing keyboard Harmony I and II and passing a final keyboard examination. Vocal proficiency is met by successfully completing required Theory and Musicianship courses.

- Music Arts, Minor (https://bulletin.uakron.edu/undergraduate/colleges-programs/arts-sciences/music/music-arts-minor/)
- Music Education, Instrumental String, BM (https://bulletin.uakron.edu/undergraduate/colleges-programs/arts-sciences/music/music-education-orchestra-bm/)
- Music Education, Vocal & Keyboard, BM (https://bulletin.uakron.edu/undergraduate/colleges-programs/arts-sciences/music/music-education-choral-bm/)
- Music Jazz, Minor (https://bulletin.uakron.edu/undergraduate/colleges-programs/arts-sciences/music/music-jazz-minor/)
- Music, BA (https://bulletin.uakron.edu/undergraduate/colleges-programs/arts-sciences/music/music-ba/)
- Music, Brass Performance, BM (https://bulletin.uakron.edu/undergraduate/colleges-programs/arts-sciences/music/music-brass-performance-bm/)
- Music, Composition, BM (https://bulletin.uakron.edu/undergraduate/colleges-programs/arts-sciences/music/music-composition-bm/)
Music - School of (7500)

7500:100 Fundamentals of Music (2 Credits)
Introduction of basic notation and development of functional music reading and keyboard skills. Conducted in electronic keyboard laboratory with computer-assisted instruction available. For non-music majors only, with little or no previous musical training.

7500:101 Introduction to Music Theory (2 Credits)
Prerequisite: Undergraduate Theory Placement Examination. Designed for prospective music major to correct deficiencies in theory background as determined through department placement testing. Includes classroom instruction and computer assisted instruction in basic notation, scales, meter, key signatures, ear training and basic familiarity with the keyboard. Credit not applicable toward music degree.

7500:102 Introduction to Music Education (2 Credits)
Prerequisites: 7500:121 and 7500:154. Overview of the music teaching profession and its processes. Screening of degree candidates is built into the course with clinical field experience.

7500:103 Trends in Jazz (2 Credits)
An overview of the first 100 years of jazz music with emphasis on major figures and styles central to the development of jazz. This course is specifically designed for the non-music major.

7500:104 Class Piano I (2 Credits)
Prerequisite: 7500:101. Designed for student with no previous keyboard experience to learn rudimentary keyboard skills such as playing scales, chords, arpeggios and melodic patterns as well as simple music.

7500:105 Class Piano II (2 Credits)
Prerequisite: 7500:104. Continuation of work begun in 104.

7500:106 Music Orientation (0 Credits)
Zero credit class designed to provide information and support for incoming music majors as they transition into the academic environment of the School of Music.

7500:107 Class Voice I (2 Credits)
Prerequisite: 7500:101. Minimum memorization and solo singing requirement: seven songs. Voice literature emphasis; folk songs, ballads, spirituals, sacred songs and easy art songs in English.

7500:108 Class Voice II (2 Credits)
Prerequisite: 7500:107. Minimum memorization and solo singing requirement: eight songs. Vocal literature emphasis: old Italian and English songs, art songs in English or foreign language if student is conversant with the language.

7500:110 Class Guitar (1 Credit)
Introduction to the guitar, its repertoire and techniques. Basic classical techniques and music reading, strums, finger-picking, accompaniment patterns, blues styles will be covered.

7500:121 Theory and Musicianship I (4 Credits)
Sequential. Prerequisite: Grade of C- or higher in 7500:101 or placement. Analysis, aural/oral skills; Diatonic pitch materials, three clefs; simple-compound meters, rhythmic divisions and subdivisions.

7500:122 Theory and Musicianship II (4 Credits)
Sequential, Prerequisite: Grade of C- or higher in 7500:121. Theory, analysis, aural/oral skills: Seventh chords, secondary function, four-part dictation; asymmetric meters, borrowed subdivision.

7500:141 Ear Training/Sight Reading I (1 Credit)
Prerequisite: Placement in Theory I. Corequisite: 7500:151. Major and minor keys; intervals, triads and inversions; diatonic progressions; three clefs; simple and compound meters; subdivision through sixteenth notes.

7500:142 Ear Training/Sight Reading II (1 Credit)
Prerequisites: 7500:141 and 7500:151. Corequisite: 7500:152. Seventh chords; melodic chromaticism; secondary function; four-part dictation; asymmetric meters; borrowed subdivision.

7500:151 Theory I (3 Credits)
Sequential, Prerequisite: Theory Placement Examination (with a score of 65% or higher) or the grade of C- or higher in 7500:101. Study/creative use of elements of music; investigation of music of major composers of classic/romantic eras; introduction to earlier musical practices and contemporary music.

7500:152 Theory II (3 Credits)
Sequential, Prerequisite: grade of C- or higher in 7500:151. Study/creative use of elements of music; investigation of music of major composers of classic/romantic eras; introduction to earlier musical practices and contemporary music.

7500:154 Music Literature I (2 Credits)
Sequential. Familiarization with large body of musical material from all branches of music writing; vocal, instrumental, symphonic and choral music literature. Special attention given to style, form and structural procedures of principal composers.

Gen Ed: Tier 2 - Arts

7500:155 Music Literature II (2 Credits)
Sequential. Familiarization with large body of musical material from all branches of music writing; vocal, instrumental, symphonic and choral music literature. Special attention given to style, form and structural procedures of principal composers.

Gen Ed: Tier 3 - Domestic Diversity

7500:157 Student Recital (0 Credits)
Required of all music majors until minimum requirement is met. Forum for student and faculty members providing lectures, recitals and opportunity for practice of various skills necessary for successful music performance.
7500:200 Seminar in Music (1-3 Credits)
Exploration of special topics in music for the non-music major (may be repeated for a total of 9 credits)

7500:201 Exploring Music: Bach to Rock (3 Credits)
This course provides non-music majors with the skills to evaluate a wide range of music.

Gen Ed: Tier 2 - Arts

7500:210 Jazz Improvisation I (2 Credits)
Prerequisites: 7500:262 and permission of instructor. Study and application of principles of jazz improvisation as they relate the chord-scale structures, motif development and style.

7500:211 Jazz Improvisation II (2 Credits)
Prerequisite: 7500:210. Advanced study in principles of jazz composition.

7500:212 Music Industry: A Survey of Practices & Opportunities (2 Credits)
A study of current practices affecting the professional musician and a survey of career opportunities relating to the music industry.

7500:221 Theory and Musicianship III (4 Credits)
Sequential, Prerequisite: 7500:122. Theory, analysis, and aural/oral skills: Chromatic harmony, dictation of mixed and irregular meters, syncopation, dotted rhythms, and ties.

7500:222 Theory and Musicianship IV (4 Credits)
Sequential, Prerequisite: 7500:221. Theory, analysis, and aural/oral skills: Advanced chromaticism and rhythm, extended tonality, form, serial and non-serial atonality.

7500:241 Ear Training/Sight Reading III (1 Credit)

7500:242 Ear Training/Sight Reading IV (1 Credit)
Prerequisites: 7500:241 and 7500:251. Corequisite: 7500:252. Twentieth-century materials: modes; whole-tone and octatonic scales; secundal and quartal/quintal harmony; classical, jazz, and non-western examples; polyrhythm; total and atonal contexts.

7500:251 Theory III (3 Credits)
Sequential, Prerequisite: The grade of C- or higher in 7500:152. Renaissance vocal counterpoint; Baroque instrumental counterpoint; form and analysis of music of all eras.

7500:252 Theory IV (3 Credits)
Sequential, Prerequisite: The grade of C- (70%) or higher in 7500:251. Renaissance vocal counterpoint; Baroque instrumental counterpoint; form and analysis of music of all eras.

7500:254 String Methods I (1 Credit)

7500:255 String Methods II (1 Credit)
Prerequisites: 102, 155, 222, 254, 262, 276, 277. Continuation of the fundamentals of technique, tone production, methods, and materials pertaining to teaching violin, viola, cello and string bass in the public schools.

7500:259 Fretboard Harmony (2 Credits)
Prerequisite: 7500:261 or permission of instructor. Essentials of basic theory and harmony as applied to the guitar fretboard: accompaniment, improvisation, transposition, modulation, figures bass, sight reading.

7500:261 Keyboard Harmony I (2 Credits)
Sequential. Prerequisites: 7500:105 or equivalency and 7500:122. Essentials of basic theory and harmony practically applied at keyboard; accompaniment, improvisation, transposition, modulation and sight-reading.

7500:262 Keyboard Harmony II (2 Credits)
Sequential. Prerequisites: 7500:105 or equivalency and 7500:122. Essentials of basic theory and harmony practically applied at keyboard; accompaniment, improvisation, transposition, modulation and sight-reading.

7500:265 Diction for Singers I (2 Credits)
Sequential. Prerequisite: Permission. Study of diction of the four most used languages (Italian, German, French and English) in vocal performance and international phonetic alphabet. Designed for student who expects to function as vocal performers and/or choral and studio voice teachers.

7500:266 Diction for Singers II (2 Credits)
Sequential. Prerequisite: 7500:265. Study of diction of the four most used languages (Italian, German, French and English) in vocal performance and international phonetic alphabet. Designed for student who expects to function as vocal performers and/or choral and studio voice teachers.

7500:268 Group Vocal Techniques for Choral Music Education (2 Credits)
Prerequisites: [7510:120 or 7510:121], and 7520:124. Corequisite: 7500:265. Foundational concepts of group vocal techniques. Designed for choral educators to learn physiology of the voice, basics of vocal production, and applications for the Pre-K-12 choral classroom.

7500:271 Piano Pedagogy & Literature I (2 Credits)
Prerequisite: Permission of instructor. Examination of musical content and pedagogical orientation of beginning piano material to include appropriate teaching works, methods and ensemble pieces from a variety of historical periods.

7500:272 Piano Pedagogy & Literature II (2 Credits)
Prerequisite: 7520:125 or permission of the instructor. A survey of piano literature at all levels of difficulty, with practical emphasis on its use for teaching.

7500:276 Trumpet & French Horn Methods (1 Credit)
Prerequisite: 7500:102. A comprehensive approach to the performance and pedagogy of the trumpet and French horn for the instrumental music education major in preparation for teaching music.

7500:277 Clarinet & Saxophone Methods (1 Credit)
Prerequisite: 7500:102. A comprehensive approach to the performance and pedagogy of the clarinet and saxophone for the instrumental music education major in preparation for teaching music.

7500:289 Music Education Department Jury (0 Credits)
Prerequisites: minimum 2.5 accum, C or higher in all freshman/sophomore music education coursework, and minimum 200 jury level. Sophomore exam for music education majors.

7500:298 Technologies of Music Education (2 Credits)
Introductory hands-on experiences with a wide range of technology applications and strategies to integrate technology into the music curriculum.

7500:305 Marching Band Organization & Techniques (1-2 Credits)
Prerequisite: 7500:289, two semesters 7510:126. A discussion of the marching band. Students learn to write complete half-time show, administer marching band program. Required for instrumental music education majors.
7500:307 Techniques of Jazz Ensemble Performance & Direction (1-2 Credits)
Prerequisite: 7500:102, 7500:155, 7500:222, 7500:262, 7500:276, 7500:277, and 7500:305; permission of instructor. Basic experiences relating to conducting, rehearsal techniques, improvisation, performance, repertoire and other matters related to organization and direction of stage bands. Required for instrumental majors.

7500:308 History & Literature of Jazz (3 Credits)
Prerequisite: Permission of instructor. Study of origins of jazz music, its development and influence on today's culture. Investigates evolution of musical instruments as they pertain to jazz music, the artists who perform on them, and their music through live and recorded listening experiences.

7500:309 Jazz Keyboard Techniques (2 Credits)
Prerequisite: 7500:262. Study of and familiarization with basic jazz keyboard techniques as they relate to contemporary jazz harmony and theory.

7500:310 Jazz Improvisation III (2 Credits)
Prerequisite: 7500:211. Advanced study in the principles of jazz improvisation.

7500:311 Jazz Improvisation IV (2 Credits)
Prerequisite: 7500:310. Advanced study in the principles of jazz improvisation.

7500:315 Equity and Excellence in Music Education (3 Credits)
Prerequisite: 7500:289. Inquiry-based seminars and service learning field experiences for the music education major to develop competence implementing equity and excellence in a culturally pluralistic society.

7500:325 Research in Music (2 Credits)
Prerequisites: 7500:155, 7500:222, and 7500:262. Techniques of basic research methods; examination of selected music materials; field trips to specialized collections.

7500:339 Teaching General Music I (2 Credits)
Prerequisites: 7500:222, 7500:262, and 7500:289. Methods and materials for teaching general music in pre-K to 12th grade classrooms.

7500:340 Teaching General Music II (2 Credits)
Prerequisites: 7500:289, and 7500:339. Advanced methods and materials for teaching general music with emphasis on Orff, Kodaly and Dalcroze methodologies.

7500:341 Junior High/Middle School Choral Methods (2 Credits)
Prerequisites: 7500:289, and 7500:340. Methods and materials for teaching choral music at the JH/MS level. Develops competencies in literature selection, rehearsal techniques and assessment of the adolescent voice.

7500:344 Secondary Choral Music Methods/Materials (2 Credits)
Prerequisites: 7500:351, and 7500:361. Methods, techniques, and materials for teaching secondary choral music. Develops competencies in literature, selection, rehearsal techniques, and programming methodology.

7500:345 Low Brass Methods (1 Credit)

7500:346 Flute & Double Reed Methods (1 Credit)
Prerequisites: 7500:345, 7500:340, and 7500:351. A comprehensive approach to the pedagogy and performance of the flute and double reeds for the instrumental music education major in preparation for teaching music.

7500:351 Music History I (3 Credits)
Sequential. Prerequisites: 7500:122 and 7500:155. Development of music from ancient to modern times; scores, recordings and live performances as illustrative material.

7500:352 Music History II (3 Credits)
Sequential. Prerequisite: 7500:351. Development of music from ancient to modern times; scores, recordings and live performances as illustrative material.

7500:353 Electronic Music (3 Credits)
Theory of electronically generated sound and practice of electronic music composition. Emphasis is on understanding digital and analog synthesizers in a MIDI recording studio.

7500:361 Conducting (2 Credits)
Prerequisites: All Majors 7500:155, 7500:222, and 7500:262; Vocal 7500:289, 7500:351, or permission; Instrumental 7500:254, 7500:346, 7500:352, 7500:454 or permission. Study and practice of conducting techniques; patterns, fermatas, tempo and dynamic change, attacks and releases, score reading, aural skills. One hour lab required.

7500:363 Intermediate Conducting: Choral (2 Credits)
Prerequisite: 7500:361 or instructor permission. Introduction to choral conducting with emphasis on manual techniques, vocal skills, aural skills, and gaining conducting experience.

7500:366 Song Literature I (2 Credits)
Prerequisite: 7500:222 or permission. Systematic study of French and German song literature presented chronologically. Includes study of stylistic compositional characteristics and repertoire of major composers of song literature.

7500:367 Song Literature II (2 Credits)
Prerequisite: 7500:222 or permission. Systematic study of American, British and Italian song literature presented chronologically. Includes study of stylistic compositional characteristics and repertoire of major composers of song literature.

7500:368 Guitar Styles (2 Credits)
Prerequisite: 200 performance level or permission of instructor. Techniques involved in performing musical styles other than those in classical guitar. Included are plectrum styles such as bluegrass, country and rock, as well as flamenco, folk, popular and jazz.

7500:371 Analytical Techniques (2 Credits)
Prerequisite: 7500:222. Techniques for analysis of musical score from all eras of Western music history, with major emphasis on works of Baroque, Classical and Romantic periods.

Gen Ed: Tier 3 - Critical Thinking

7500:372 Post-Tonal Analytic Techniques (2 Credits)
Prerequisite: 7500:222. Techniques for the analysis of musical scores from the 20th and 21st Centuries. Required of a composition major.

7500:407 Jazz Arranging & Scoring (2 Credits)
Prerequisites: 7500:309 and 7500:454. Study of jazz instrumentation from small groups to large ensembles.

7500:415 Teaching and Literature: Brass Instruments (2 Credits)
Prerequisite: Permission of instructor. Research in current trends and issues in brass teaching techniques and appropriate literature.
7500:416 Teaching and Literature: Woodwind Instruments (2 Credits)
Prerequisite: Permission of instructor. Research in current trends and issues in woodwind teaching techniques and appropriate literature.

7500:432 Teaching & Literature: Percussion Instruments (2 Credits)
To train undergraduate and graduate percussion students in techniques of percussion education. Emphasis on research, literature, performance, and techniques from elementary through secondary levels.

7500:442 Instrumental Methods (2 Credits)
Prerequisites: 7500:254, 7500:346, 7500:352, and 7500:454. Procedures for teaching instrumental music at all levels. Special emphasis will be placed on classroom management, recruitment, assessment, literature selection, scheduling, and rehearsal organization. Clinical and field experience.

7500:443 Instrumental Practicum (2 Credits)
Prerequisite: 7500:442. Procedures for teaching instrumental music at all levels. Special emphasis will be placed on classroom management, recruitment, assessment, literature selection, scheduling, and rehearsal organization. Clinical and field experience.

7500:451 Introduction to Musicology (2 Credits)
Prerequisite: 7500:352. Comparative musicology; acoustics; psychology and physiology of music; aesthetics; theory of music theory; historical musicology.

7500:453 Music Software Survey and Use (2 Credits)
Prerequisite: 7500:122 or permission of instructor. A survey and evaluation of available software in the various forms of musical instruction. Students will design a course suitable for submission to a programmer.

7500:454 Orchestration (2 Credits)
Prerequisite: 7500:222. Theory of instrumentation ranging from small ensembles to full band and orchestras.

7500:455 Advanced Conducting: Instrumental (2 Credits)
Prerequisite: 7500:361 and 7500:442 or permission. Baton techniques and problems relating to practice, reading and preparation of scores; organization of ensembles; programming; conducting large instrumental ensembles. One hour lab required.

7500:456 Advanced Conducting: Choral (2 Credits)
Prerequisite: 7500:363. Conducting techniques to the choral ensemble, including leadership, error detection, tonal development, stylistic accuracy and analysis. One hour lab required.

7500:457 Senior Recital (0 Credits)
Permission of applied instructor is required for this course, which is taken only during the semester of the Senior Recital.

7500:458 Percussion Methods (1 Credit)
Prerequisites: 7500:346, 7500:352 and admission into a Music Education Program. A comprehensive approach to the pedagogy and performance of the percussion instruments for the instrumental education major in preparation for teaching music.

7500:463 Repertoire & Pedagogy: String Instruments (3 Credits)
Prerequisite: Permission of instructor. Study in depth of the four bowed string instruments, their teaching and close relationship. Despite obvious difference in physical application of cello and bass from violin and viola, methods of bowing, sound production and coloring are closely related. Application of the instruments to solo, chamber and orchestral playing.

7500:465 Vocal Pedagogy (2 Credits)
Prerequisite: Junior standing. In depth study of subjects dealing with teaching voice: physiology of the vocal instrument, principles governing vocal production and application of vocal pedagogy.