

MAED610

(4)

Investigation of concepts and practices of mathematical modeling with an emphasis on application to middle grades education. The pedagogy of the course models that of effective middle school mathematics teachers.

MAED625

(2)

Participants investigate topics in mathematics, including probability, programming, fractals, and chaos theory. Emphasis is placed on participant understanding of these topics and their appropriate use as investigations with middle grades students. The pedagogy of the course models that of effective middle school mathematics teachers.

MAED 630

(1-4)

Seminar in specific topics relevant to mathematics education. Each seminar examines one topic in detail. Repeatable with different topics. May be graded S/U.

MUSIC

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Faculty

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Academic Programs**Credits**

BA: Music	min. 41
With BBA	min. 110
With Minor in one of the following:	min. 62
Business	
Economics	
Marketing	
BMus (Bachelor of Music)	49
Music Education	min. 26-34
Music Performance	min. 37
Minor in Music	min. 24

Faculty of the Department of Music are committed to providing a vibrant musical and learning environment to nurture artistic and creative growth in all students of music, to encourage and guide students through dynamic interaction in classroom and practical experiences as they mature into tomorrow's music professionals, and to mentor students in responsible use of their talents for service to Christ and to humanity.

Bachelor of Music curricula provide a comprehensive exposure to and experience with the performance, history, and theory of music. Students receive hands-on supervised teaching experience in studio or classroom teaching. Bachelor of Arts curricula are for students wishing to pursue concerted study in music within a liberal arts context.

Non-music majors may take courses in music or participate in music lessons or ensembles for credit or non-credit. See General Education section and course descriptions below for further clarification.

The Andrews University Department of Music has been a member of the National Association of Schools of Music since 1964. Music majors may choose to join the student chapter of Music Educators National Conference.

ENROLLMENT

Status as an undergraduate music major is provisional until the student demonstrates academic and performance skills on an acceptable level. All first-year students must take the Freshman Theory Placement Exam to being considered for acceptance as a music major. After the student performs in his/her first applied music examination, the performance instructor makes a recommendation to the music faculty concerning the student's application for admission as a music major. See the for further information.

Student Handbook. The

, available at the Department of Music office, provides clarification of general guidelines, requirements, and standards as well as information concerning recital attendance, recital requirements, and financial aid and departmental scholarships.

Applied Music General Requirements. All music majors register in applied music for four years in residence and until they complete their senior recital.

Applied Music Examination Requirements. All music majors participate in an applied music examination at least twice during the school year. See the for full details.

Ensemble Requirements. All music majors must enroll in a music ensemble each semester of residence.

Piano Proficiency. All music majors and minors must pass a piano-proficiency examination. Students who do not pass the examination must enroll in applied piano until the examination is passed. The piano-proficiency examination must be passed before a student is advanced to upper-division status.

Upper-division Status. Application for advancement to upper-division performance studies is submitted to the student's performance teacher no later than two weeks before the final sophomore applied-music examination. See the for full information.

State Certification. Students planning to teach music in K-12 must take the Bachelor of Music in Music Education degree and also complete required education courses specified by the School of Education.

Denominational Certification is not automatic with state certification and is not required for graduation. Contact the certification clerk in the School of Education for full information.

MUSIC PERFORMANCE CREDITS

The Department of Music offers private instruction in all major instruments and voice which may fulfill music major or non-music major elective requirements. Course outlines detailing specific course content are available from the instructor. The requirements correlate with guidelines suggested by the National Association of Schools of Music as outlined in the

Undergraduate Programs

BACHELOR OF ARTS: MUSIC

BA: Music—41+

A liberal arts degree allows one to pursue a broad range of interests while majoring in music. The BA with a major in music is viable as a double major.

Note that in order to receive the BA: Music, students must take general education requirements for the Bachelor of Arts.

Major Requirements: MUCT101, 102, 131, 132, 201, 202, 231, 232 ; MUHL446, 447, 448, 458; MURE420; minimum 8 credits of performance in one area which includes a 1 or 2-credit recital or project; 4 credits of ensemble; 2 credits of electives; Piano Proficiency.

At least one course other than ensemble or applied music must be taken in residence. A minimum of 4 credits in applied music must be taken as upper-division credits. Keyboard majors (piano or organ) must take 2 credits of MUPF310 Piano Ensemble as part of their 4 credits of ensemble.

BA: Music with Bachelor of Business Administration—110+

Several options are available to students wishing a career combining music and business. These options are listed below.

This five-year program prepares students for pursuing career options, which combine the skills and creativity of business and the musical arts. Upon completion students receive two separate but integrated degrees: a Bachelor of Business Administration with a major to be chosen in consultation with a Department of Music advisor from among BBA majors listed in the School of Business section of this bulletin, and a Bachelor of Arts: Music.

Business Core and Business Major with Cognates—69 Business Core—39

ACCT121, 122, BSAD341, 355, 365, 475, 494; ECON225, 22-21(epartmeI)TjT*9E(Department of and Businror)18.1(f viable as a doubl

BACHELOR OF MUSIC: BMus

Core Requirements—49

MUCT101, 102, 131, 132, 201, 202, 231, 232, 425, 454, 470;
MUED301, 302; MUHL446, 447, 448, 458; MURE420;
12 credits of music elective; Piano Proficiency.

Two majors are available for the BMus degree: Music Performance and Music Education. Additional requirements outlined below exist for each area.

Music Performance—37+

THESIS/PROJECT/RECITAL REQUIREMENT

- This requirement for an MA with emphasis in music or MMus in music education may be met by one of the following:
 1. A thesis—6 credits of MUHL699 and/or EDRM505.
 2. Two projects—2 credits of MUHL698 for each project.
 3. A credit recital—2 credits plus a minimum of 6 credits of applied music.
 4. One project plus a one-credit recital—2 credits of MUHL698 for the project plus a minimum of 4 credits of applied music.
- The MMus degree in performance requires a 2-credit recital. Recitalists must have taken in residence at least one-half of their applied music credit in their major performance area. They must enroll in applied lessons for at least two consecutive semesters prior to the recital date and must audition before a committee of music faculty one month prior to the recital. Students majoring in performance without an undergraduate major in the same performance area (or the equivalent) must offer two recitals, only the second of which is for credit.

Piano Proficiency. Music majors must pass a piano proficiency examination. Graduate students who have not passed this examination on the undergraduate level must take the examination prior to the first registration. Students who do not pass this examination must enroll in applied piano until the examination is passed.

Electives. Each area of study has appropriate choices of electives.

Comprehensive Examinations. All graduate students in music take comprehensive examinations toward the end of their studies. Students should consult with their advisor concerning the appropriate time to apply for these examinations and for guidance in preparing for them.

Non-degree (PTC) Students. A student who plans to study music under this classification (see p. 31) may be admitted to courses as approved by the department chair.

MA: Music—32+**Core—11**

MUCT535 (4 credits); MUHL519; MUHL524 (2 credits); MUHL695 (2 credits)

Additional courses—21

MUHL 524 (2 credits)
Music Performance—2-4
Music Education—3

(May be chosen from music education or area Literature and Pedagogy courses.)

Thesis/Project/Recital—2-6
Electives—6-10

(May be chosen from music, art, art history, literature.)

Ensemble: see requirements above.

Students who plan to enter a doctoral program in musicology or who plan to teach music history and literature should elect the thesis option and fulfill a language requirement of reading proficiency in French or German.

MA: Music Ministry—40+**Music Components—34****Sacred Music—19**

CHMN519 (2 credits), CHMN537 (2 credits), CHMN590 (2 credits), MUED648 (1 credit), MUHL519 (3 credits), MUHL695 (1 credit), MUHL698 (2 credits), MUPF506 (6 credits)

Other Studies in Music—15

MUCT535 (2 credits), MUED451 (3 credits), MUPF500 (1 credit), MUPF500 (Applied Music, any one area, 6 credits), MUPF575 (1 credit)

Electives—2**Ensemble—NC**

4 semesters: 2 choral, 1 handbell, 1 student choice

Seminary Cognate—6

Required: CHMN534 (2 credits)

Choose one (1) of the following: CHMN545 (2 credits), CHMN527 (2 credits)

Choose one (1) of the following: CHIS674 (2 credits), one course in biblical studies (2 credits)

Total degree credits—40**MMus****Music Education Emphasis—35+**

Students majoring in music education must qualify for a state teaching certificate prior to conferral of degree.

Core—11

MUCT535 (4 credits); MUHL519; MUHL 524 (2 credits); MUHL695 (2 credits)

Additional courses—min. 24

MUED430 (3 credits) Topics in Music Education; MUED515, 521; MUPF506; MUHL524 (2 credits); Area Literature and Pedagogy course (3 credits)

Major Performance—2-4

Thesis/ Project/Recital—2-6

Electives—0-4

Ensemble: see requirements above.

Performance Emphasis—34+**Specialization: Organ, piano, string, or voice****Core—11**

MUCT535 (4 credits); MUHL519; MUHL524 (2 credits); MUHL695 (2 credits)

Additional courses—min. 23

Area Literature and Pedagogy courses (6 credits); MUPF506 (organ and voice majors), 538 (string majors), 575, MUPF420 (voice majors)

Major Performance—min. 10

Music Electives—0-5

Ensemble: see requirements above.

Specialization: Instrumental or choral conducting**Core—11**

MUCT535 (4 credits); MUHL519; MUHL524 (2 credits); MUHL695 (2 credits)

Additional courses—min. 23

Advanced Conducting—min. 9

MUPF575; MUED464 (2 credits)

Music Electives—4

Cognate field—6

Ensemble: see above for requirements.

Courses

See inside front cover for symbol code.

MUSIC THEORY

MUCT101, 102 (3, 3)

Review of music fundamentals and study of tonal harmony beginning with the interval and covering the entire diatonic-harmony vocabulary. Examines the basic principles of melodic and harmonic structures as well as principles of voice-leading and chord progression in applied four-part harmonization and composition. Requires concurrent enrollment in MUCT131, 132.

MUCT131, 132 (1, 1)

Aural recognition of rhythmic patterns, intervals, chords, tonality, harmonic functions, and melodic expression. Requires concurrent enrollment in MUCT101, 102.

MUCT201, 202 (3, 3)

Theoretical and practical study of the entire spectrum of chromatic-harmony vocabulary with emphasis in composition and analysis. The second semester examines the compositional practices and techniques employed by composers of the Impressionistic Period and Twentieth Century. Requires concurrent enrollment in MUCT231, 232.

MUCT231, 232 (1, 1)

Acquaintance with current technological resources in music. Emphasis in computer notation systems, sequencing, and MIDI systems. Requires concurrent enrollment in MUCT201, 202 or permission of the instructor.

MUCT425 ◆ Alt (2)

Historical overview of counterpoint with emphasis on the practice and analysis of 18th-century contrapuntal techniques.

MUCT454 ◆ Alt (2)

Scoring for chamber groups, larger ensembles, and full orchestra.

MUCT470 ◆ Alt (2)

The origin and meaning of form: motives, phrases, and periods with elementary and combined binary and ternary forms, rondo and sonata-allegro.

MUCT535 Alt (2)

Detailed comprehensive analysis of representative works from various periods of music history. Repeatable.

MUSIC EDUCATION

MUED301 Alt (2)

The theory and application of basic conducting principles.

MUED302 Alt (2)

The application of theory and techniques unique to the conducting of both choral and instrumental ensembles. Prerequisite: MUED301 or equivalent.

MUED304 Alt (2)

Score analysis; score preparation and programming; study of significant band, orchestra, and ensemble literature. Prerequisite: MUED302 or equivalent.

MUED305 Alt (2)

Score analysis; score preparation and programming; special techniques in conducting choral music. Prerequisite: MUED302 or equivalent.

MUED375 Alt (1)

Fundamentals of performing and teaching ensemble instruments and voice with emphasis on their use in band, choir, and orchestra. (Brass [section 02], percussion [section 05], and vocal [section 06] are all taught in the same year, and string [section 04] and woodwind [section 03] are taught alternate years). Repeatable.

MUED421 ◆ Alt (3)

A chronological survey of organ literature and the development of the instrument along with study of organ teaching and emphasis on keyboard and pedal technique, interpretation, sight reading, and teaching repertoire.

MUED422 ◆ Alt (3)

Continuation of MUED421. Prerequisite: MUED421 or permission of instructor.

MUED430 ◆ (1-3)

A study of selected topics related to the music profession. Consult current class schedule for topics covered each year. Repeatable with different topics.

MUED431 ◆ Alt (3)

A survey of clavichord, harpsichord, and piano literature and style, and the evolution of these instruments along with the study of the materials and methods of private and class piano instruction.

MUED432 ◆ Alt (3)

Continuation of MUED431. Prerequisite: MUED431, or permission of instructor.

MUED438 (1-3)

MUED441 ◆ Alt (3)

The study of string literature and style from the Baroque era to the present, including significant solo, chamber, and orchestral works along with the study of beginning through advanced pedagogical techniques, including tone production, dexterity, fingerings, and bowings.

MUED442 ◆ Alt (3)

Continuation of MUED441. Prerequisite: MUED441, or permission of instructor.

MUED451 ◆ Alt (3)

Solo vocal literature representing significant repertoire from the primary eras of music history; Italian, French, and German literature included along with the comprehensive study of current methodology directed toward the achievement of artistic singing and productive studio procedures.

MUED452 ◆ Alt (3)

Continuation of MUED451. Prerequisite: MUED451, or permission of instructor.

MUED458 ◆ (3)

Methods and materials used in musical programs of the elementary grades including rhythm, singing, playing, and listening activities.

MUED459 ◆ Alt (3)

Methods and materials for the teaching of music in the secondary school with emphasis on the organization and administration of choral and instrumental ensembles.

MUED464 ◆ Alt (1)

Development of keyboard skills in score reading. Graded choral and orchestral literature from two-stave four-part writing to open score is practiced. Repeatable.

MUED485 ◆ \$ (1)

Individual attention and instruction with one of the larger ensembles. Repeatable. Prerequisite: MUED304 or 305 and permission of teacher.

MUED515 Alt (3)

Research techniques appropriate to research in music education, principles of research design, organization of the research report, and critical examination of representative research studies in music education. Emphasis on developing knowledgeable and discriminating readers and interpreters of completed research.

MUED518 (3)

Comprehensive study of current methodology, emphasizing one of the following areas: wood winds, brass, percussion, strings.

MUED521 Alt (3)

Study of the philosophy and practice of Music Education from the 1920s to the present.

MUED648 (1–3)

MUSIC HISTORY AND LITERATURE

MUHL446 (2)

Historical development of musical styles and the relationship between music and social trends of the period. Visual and aural analysis of representative compositions and introduction to biographical and bibliographical materials.

MUHL447 (2)

See MUHL446.

MUHL448 (2)

See MUHL446.

MUHL458 (2)

A study of America's musical past with emphasis on the historical and social context of native, folk, sacred, popular, and classical music, and their interaction. An introduction to musical traditions from around the world with an investigation of their musical languages and the social context in which they happen.

MUHL519 Alt (3)

A survey of 20th-century repertoire from its late-19th-century origins to the present. Emphasis is placed on compositional and stylistic trends and surrounding artistic climates.

MUHL524 (2)

A study of selected major works from representative period(s)/composer(s). Provides a synthesis of musicological, historical, analytical, and interpretational techniques. Different literature covered each quarter. Prerequisite: Advanced-level survey courses or demonstrated equivalent. Repeatable with different emphases.

sculpture, architecture, and music. Discussion periods and lectures illustrated with colored slides, film strips, and recordings.

HONORS

MUPF396-50 (1)

A memorized recital under the supervision of a music honors committee. Research document on compositions performed is required. May be taken in lieu of certain required and applied music courses.

MUPF496-50 (2)

A memorized recital under the supervision of a music honors committee. A research document on compositions performed is required. May be taken in lieu of certain required and applied music courses.

INDEPENDENT STUDY

MUPF495 (1-3)

In consultation with a member of the music faculty, a student may choose independent study in a special area of music. A brief outline of the study to be pursued must be submitted to the department chair. A minimum of 30 hours of work is required for each credit. Permission of the department chair required.

CHURCH MUSIC

MURE420 ◆ Alt (3)

The biblical basis for and the theological implications involved in church-music practice with emphasis on the development of principles for guidance in the use and selection of available literature.

MURE485 ◆ (2)

The development of the organ and organ literature; a practical study of church services, including organ registrations for choral music, vocal solos, and hymn playing; discussion of the organ interlude and improvisation. Concurrent enrollment in applied music—organ is recommended.

PERFORMANCE

Private Music Lessons \$ (2-3)

For performance majors only

MUPF165 Applied Music—First-year
MUPF265 Applied Music—Sophomore
MUPF365 Applied Music—Junior
MUPF465 Applied Music—Senior

MUPF165-465 \$ (2-3)

The private study of the performance repertoire and technique of the given instrument or voice and the study of performance-related skills. Repertoire study includes solo and concerted works. Technical study includes scales and arpeggios, technical exercises appropriate to the performance medium, excerpts (where appropriate) and etudes. Performance-related skills study includes the development of basic-level skills in improvisation and the study of sight-reading.

For non-performance majors and minors \$ (1-2)

MUPF164 Applied Music—First-year
MUPF264 Applied Music—Sophomore
MUPF364 Applied Music—Junior
MUPF464 Applied Music—Senior

MUPF164-464 \$ (1-2)

The private study of the performance repertoire and technique of the given instrument or voice and the study of performance-related skills. Repertoire study includes solo and concerted works. Technical study includes scales and arpeggios, technical exercises appropriate to the performance medium, excerpts (where appropriate) and etudes. Performance-related skills study includes the development of basic-level skills in improvisation and the study of sight-reading.

Non-music students may register for music lessons. These courses do not apply toward fulfilling music major degree requirements without specific music faculty action.

For non-music students \$ (1-2)

MUPF170 Applied Music—First-year
MUPF270 Applied Music—Sophomore
MUPF370 Applied Music—Junior
MUPF470 Applied Music—Senior

Classes open to all students upon permission of the instructor (1)

MUPF160 Music Class—First-year
MUPF260 Music Class—Sophomore
MUPF360 Music Class—Junior
MUPF460 Music Class—Senior

Recitals

MUPF397 Recital—Junior (1)
MUPF497 Recital—Senior (1-2)
MUPF490 Recital Continuation (0)

Ensembles—Undergraduate (1)

Department of Music ensembles are open to all students upon permission of the instructor. Ensemble credit may fulfill part of the General Education arts/humanities breadth requirement. Permission to add or drop an ensemble must be approved by the respective instructor.

MUPF310 Piano Ensemble
MUPF330 University Orchestra
MUPF334 Wind Symphony
MUPF335 I Cantori
MUPF336 University Choralance medium, excerpts (d Symphony)

MUPF506

\$ (1-3)

Section 01: Study of the art and techniques of conducting relative to the score and to the chorus as a performance instrument.

Section 02: Study of the art and techniques of conducting relative to the score and to the orchestra or band as performance instruments. Major works are studied and conducted. Repeatable.

Ensembles—Graduate (0 or 1)

Department of Music ensembles are open to all students upon permission of the instructor. Ensemble credit may fulfill part of the General Education arts/humanities breadth requirement.

Permission to add or drop an ensemble must be approved by the respective instructor.

- MUPF525 University Orchestra
- MUPF526 University Wind Symphony
- MUPF527 University Chorale
- MUPF528 University Singers