

# MUSIC

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## Faculty

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Academic Programs	Credits
BA: Music	45
BMus: Music Education	84
Teacher Certification	35+
BMus: Performance	85–93
Minor in Music	26
MA: Music	32
MMus: Conducting	34
MMus: Music Education	35
MMus: Music Ministry	35
MMus: Performance	34

## Mission

To mentor students in artistic, intellectual, and character development. 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 and arrange for an audition with the coordinator of his/her applied area *prior* to being considered for acceptance as a music major. After the student successfully completes these two admission requirements the Music Department freshman advisor makes a recommendation to the music faculty concerning the student's application for admission as a music major. See the *Department of Music Student Handbook* for further information.

**Student Handbook.** The *Department of Music Student Handbook*, 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 every semester 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 Department of Music Student Handbook for full details.

**Ensemble Requirements.** All music majors must enroll in a music ensemble each semester of residence for a minimum of 8 credits.

**Minimum Passing Grades.** No grade lower than a C in an applied lesson, ensemble, or music class will count towards fulfillment of degree or program requirements for the music major or music minor. This includes transfer music credits.

**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. Students are expected to take the Piano Proficiency Examination before the end of the second semester of their freshman year. Students will not be allowed to register for upper-division classes (with the exception of ensembles) or upper-division applied lessons until the Piano Proficiency Examinations has been taken.

**Recital Attendance.** All music majors are required to enroll in the course MUPF489 Recital Attendance each semester in residence. Music minors are required to enroll in this course for four (4) semesters.

**Upper-division Status.** Request for advancement to upper-division status is submitted by the end of the sophomore year. See the *Department of Music Student Handbook* 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 *Department of Music Student Handbook*.

## Undergraduate Programs

### BA: Music (45)

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:** MUCT141, 142, 151, 152, 153, 154, 241, 242, 251; MUHL258, 446, 447, 448; minimum 8 credits of performance in one area which includes a 1- or 2-credit recital or project; 8 credits of ensemble; MUPF489; Piano Proficiency.

**Cognate:** PHYS225 (fulfills GE Physical Science requirement); MURE 420 (fulfills GE Religion requirement).

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 1 credit of MUPF405 Keyboard Accompaniment and 1 credit of MUPF410 Collaborative Piano as part of their 8 credits of ensemble. The remaining 6 credits must be taken in one of the major ensembles.

### BMus: Bachelor of Music

Two majors are available for the BMus degree: Music Education and Performance. Requirements for each of these two majors are outlined below:

### Music Education (84)

A degree for students seeking careers as certified K–12 teachers in pre-collegiate denominational or public schools. Students normally spend five years in residence to complete the requirements. Requires state teacher certification. First-year students must make application and consult with the certification clerk in the School of Education to keep abreast of certification requirements.

#### General Education Requirements

See professional program requirements, p. 51, and note the following **specific** requirements:

**Religion:** RELT100, 225, 400, 4th course (see SED advisor)

**Language/Communication:** ENGL115, 116, COMM104

**History:** HIST117 or 118

**Fine Arts/Humanities:** fulfilled from core curriculum

**Life/Physical Sciences:** PHYS225

**Mathematics:** MATH145 or higher

**Computer Literacy:** fulfilled from core curriculum

**Service:** EDTE165 from SED requirements

**Social Sciences:** GDPC302 from SED requirements

**Fitness Education:** HLED120 plus one Fitness Education course

### Music Core Requirements—38

MUCT141, 142, 151, 152, 153, 154, 241, 242, 251, 454, 470; choose one of the following two courses: MUCT425 or 430; MUHL258, 446, 447, 448; MUPF489 every semester; Piano Proficiency

### Music Education Requirements—46

MUED301, 302, 316, 317, 376, 377, 378, 379, 380, 458, 459; choose one of the following courses: MUED421, 427, 429, 437 and MUPF420; minimum 3 credits minor performance (wind, string, voice or keyboard instrument), minimum 8 credits major performance which includes a 1- or 2-credit recital (wind, string, voice or key-board instrument) or project; 8 credits of ensemble (must be in a major instrumental or choral ensemble: University Singers, Chorale, Wind Symphony or Symphony Orchestra. Keyboard performers must take 6 credits in major ensembles plus 1 credit each of MUPF405 Keyboard Accompaniment and MUPF410 Collaborative Piano.

### Teacher Certification Requirements—35+ (School of Education)

GDPC302; EDTE165, 228, 408, 417, 424, 459, 476, 480, 487, 488

### Performance (85–93)

A degree for those whose career goals focus on performance, studio or collegiate teaching and graduate school.

#### General Education Requirements

See professional program requirements, p. 51, and note the following **specific** requirements:

**Religion:** professional degree requirements including MURE420

**Language/Communication:** professional degree requirements

**History:** professional degree requirements

**Fine Arts/Humanities:** fulfilled through core curriculum

**Life/Physical Sciences:** PHYS225

**Mathematics:** professional degree requirements

**Computer Literacy:** MUCT151

**Service:** fulfilled through professional components of the program

**Social Sciences:** professional degree requirements

**Fitness Education:** professional degree requirements

### Core Requirements—37

MUCT141, 142, 151, 152, 153, 154, 241, 242, 251, 454, 470; choose one of the following two courses: MUCT425 or 430; MUHL258, 446, 447, 448

**Cognate**—PHYS225 (fulfills GE Life/Physical Science requirement); MURE420 (fulfills GE Religion requirement)

#### Other Requirements—10–15

- For piano and instrumental majors only—10 credits of music electives
- For voice majors only—15 credits of languages to be selected from: French I and II (3, 3); German I and II (3, 3); and Italian I and II (3, 3)
- MUPF489; Piano Proficiency.

#### Performance—37–40

- Major instrument: 16 credits (4 credits each of MUPF165, 265, 365, and 465).

- MUED301, 302; MUPF420 (for voice majors only); MUPF339 (for instrumentalists only)
- Applied area literature course, applied area pedagogy course.
- Ensemble: 8 credits. Bachelor of Music degree students majoring in piano or organ performance must take 2 credits of MUPF405 Keyboard Accompaniment and 2 credits of MUPF410 Collaborative Piano. The remaining 4 credits must be taken in one of the major ensembles.
- MUPF397 Junior Recital (1 credit) and MUPF497 Senior Recital (2 credits).
- Attendance at major area master classes.

## Minor in Music (26)

MUCT141, 142, 151, 152, 153, 241; MUHL258, 447, 448; minimum 3 credits of performance in one area; 2 credits of ensemble; MUPF489; Piano Proficiency.

## Graduate Programs

### Admission Requirements and Procedures

- General requirements for admission to graduate study as stated in the Admissions section of this bulletin.
- Musicians with various backgrounds often qualify to study music at the graduate level. Normally, a baccalaureate degree with a major in music is required; however, the following categories may also qualify:
  1. Students with an earned baccalaureate degree within any major, assuming adequate undergraduate preparation in music. Adequate preparation includes mastery of music theory equivalent to content of MUCT242 Music Theory IV and MUCT153 Ear Training Laboratory III; mastery of music history equivalent to content of MUHL446-448 Music Literature and Style (Antiquity to 20th Century); and mastery of level of performance appropriate to the specific chosen master's program.
  2. Students who have completed programs comparable to the baccalaureate degree from non-United States institutions.
- The Department of Music requires placement examinations in music history and literature, music theory, piano proficiency, and an audition in the major area of performance for all entering students prior to registration. Admission status is provisional until these examinations are completed and any deficiencies removed. Courses used to make up for a deficiency may be taken for graduate credit but may not count for graduate requirements; a minimum grade of B must be earned.
- A Graduate Scholarship Tuition Reduction is available to students with a minimum GRE Exam score of 297 (quantitative + verbal) or Music Placement Exam average score of 80.

### Double Major Policy for Graduate Music Programs:

- Two majors may be allowed only within a specific program such as the Master of Arts in Music or the Master of Music. No more than two majors are allowed.
- Only one degree is granted. The different majors will only be listed in the transcript.
- Candidates must complete the specific requirements for both majors.
- Candidates must enroll for Final Project (thesis option, project option, or recital option as it may apply) twice to fulfill final project requirements for each of the two majors.
- Candidates take comprehensive examinations that cover both concentration areas.

- Decision on adding a second major must be made before the candidate fills out and submits the Advancement to Candidacy Form.
- Once a degree is earned, a second major area may not be added to the transcripts.

### Ensemble Requirements

- Participation on a no-credit basis is required for four semesters in one of the following: any Andrews University Department of Music band, choir or orchestra. Keyboard majors: see note below. Students who require more than four semesters to complete their degree must participate in an ensemble during each semester of residence.
- Keyboard students in the MA and MMus (music education) programs on the Andrews University campus are required to enroll for one semester of MUPF505 Keyboard Accompaniment or one semester of MUPF510 Collaborative Piano. This may apply as one of the minimum four semesters of ensemble.
- Performance majors in piano and organ are required to enroll for one semester of MUPF510 Collaborative Piano and one semester of MUPF515 Recital Accompaniment and may apply these towards the minimum four semesters of ensemble.

### Thesis/Project/Recital Requirement

- This requirement for an MA in music, MA in music ministry 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: Performance degree 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.

**Language Proficiency.** For admission to the Master of Music: Performance (voice performance specialization), language proficiency is required in French, German and Italian. Proficiency in these languages can be validated by evidence of coursework in each of these languages equivalent to two semesters of college level study, or by passing a language proficiency exam. Lack of proficiency in these three languages can be addressed by taking additional remedial coursework. Remedial coursework does not count toward completion of the graduate degree.

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

**Practical Training Requirement.** All students pursuing master's programs (MA: Music, MMus: Conducting, MMus:

Music Education, MMus: Music Ministry; MMus: Performance) are required to take the 0-credit course MUED655 Practical Training to develop professional experience in music. To fulfill this requirement, students are required to meet a minimum of 50 hours of work/service while enrolled in the masters program. This could be done over the summer. Some recommended areas of work/service that may count toward this practical training experience are as follows:

- Music ministers in church settings
- Music teachers or instructors for a public or private school
- Instrumentalists performing in professional or community ensembles
- Research assistants in approved music research projects
- Other alternative activities must be approved by the student's major professor

After completing this requirement students will fill out and submit the form *Completion of Practical Training Requirements* to their major professor for evaluation and signature. Students who have developed experiences equivalent to this practical training before entering the masters program may fulfill this requirement by submitting appropriate evidence showing sufficient work/service experience.

**Comprehensive Examinations.** All graduate students in music take the 0-credit course MUHL670 Comprehensive Exam 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. 42) may be admitted to courses as approved by the department chair.

## MA: Music (32+)

### Core—11

MUCT535, 536; MUHL519, 524, 695(2)

### Additional courses—21

MUHL524

MUED648 Workshop: AU Music & Worship Conference—1

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

MUPF489, MUED655

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.

## MMus: Conducting (34+)

### Specialization: choral, orchestral or wind conducting

#### Core—11

MUCT535, 536, MUHL519, 524, 695 (2)

#### Additional courses—min. 23

Advanced Conducting—min. 9

MUPF575, MUED464 (1+1)

MUED648 Workshop: AU Music & Worship Conference—1

Music Electives—4

Cognate field—6

Ensemble: see above for requirements

MUPF489, MUED655, MUHL670

## MMus: Music Education (35+)

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

### Core—11

MUCT535, 536, MUHL519, 524, 695 (2)

### Additional courses—min. 24

MUED430 (3) Topics in Music Education, MUED515, 521,

MUPF506, MUHL524, Area Literature and Pedagogy course (3)

MUED648 Workshop: AU Music & Worship Conference—1

Major Performance—2–4

Thesis/Project/Recital—2–6

Electives—0–4

Ensemble: see requirements above

MUPF489, MUED655, MUHL670

## MMus: Music Ministry (35+)

### Music Components—29+

#### Sacred Music—7–11

MURE520, MURE590 (1+1), MUED648 (1), MUPF506 (2–6)

#### Core—11

MUCT535, 536, MUHL519, 524, 695 (2)

#### Other Studies in Music—5–13

MUPF500 (2–6), MUPF500 Organ (1), Thesis/Project/Recital

(2–6), MUPF489, MUED655, MUHL670

#### Ensemble—NC

4 semesters: 2 choral, 2 student choices

#### Electives—2–6

#### Seminary Studies—6

CHMN523 (2) required; choose one from DSRE534 or CHMN552

(2); one additional course in either Biblical Studies (OT, NT),

Church History, or Theology and Christian Philosophy (2)

## MMus: Performance (34+)

### Specialization: organ, piano, string or voice

#### Core—11

MUCT535, 536, MUHL519, 524, 695 (2)

#### Additional courses—min. 23

Area Literature and Pedagogy courses (6);

MUPF506 (organ and voice majors), 538 (string majors),

575, MUPF420 (voice majors)

MUED648 Workshop: AU Music & Worship Conference—1

Major Performance—min. 10

Music Electives—0–5

Ensemble: see requirements above

MUPF489, MUED655, MUHL670

## Courses (Credits)

See inside front cover for symbol code.

### Music Theory

#### MUCT141 (3)

#### *Music Theory I: Introduction to Harmony*

Review of music fundamentals, including the music vocabulary,

keys and rhythm, as well as the basic elements of melody and harmony (scales, intervals, and triads) and a basic study of the principles of chord progression utilizing triads in root position. Requires concurrent enrollment in MUCT151.

**MUCT142 (3)****Music Theory II: Diatonic Harmony**

Study of the principles of voice leading and chord progression in applied four-part harmonization. Emphasis will be placed on interpretation and realization of Figured Basses, four-part harmonization using triads and seventh chords in root position as well as in inversions, the study and use of non-harmonic tones, and the dominant seventh chord as well as the other non-dominant seventh chords. Requires concurrent enrollment in MUCT152. Prerequisite: MUCT141.

**MUCT151, 152, 153, 154 (1, 1, 1, 1)****Ear Training Laboratory I, II, III, IV**

Aural skill with melodies, rhythms, intervals, chords and harmonic progressions. Activities include sight reading, error correction, transcription and improvisation of tonal music. Requires concurrent enrollment in MUCT 141, 142, 241 and 242.

**MUCT241 (3)****Music Theory III: Chromatic Harmony**

Theoretical and practical study of the entire spectrum of chromatic harmony vocabulary with emphasis in composition and analysis. Requires concurrent enrollment in MUCT153. Prerequisite: MUCT142.

**MUCT242 (3)****Music Theory IV: Chromatic to Post-Tonal Harmony**

Continuation of Music Theory III with an introduction to the compositional practices and techniques employed by composers of the Impressionistic Period and the Twentieth Century. Prerequisite: MUCT241.

**MUCT251, 252 (1, 1)****Music Technology Laboratory I, II**

Acquaintance with current technological resources in music. Emphasis in computer notation systems, sequencing and MIDI systems.

**MUCT425 ♦ Alt (3)****Counterpoint**

Historical overview of counterpoint with emphasis on the practice and analysis of 18th-century contrapuntal techniques. *Spring, odd years*

**MUCT430 ♦ Alt (3)****Composition Seminar**

Study of the compositional practices and techniques employed by composers of the Impressionistic Period and the Twentieth Century followed by composition exercises leading to the creation of new musical works. *Spring, even years*

**MUCT454 ♦ Alt (3)****Orchestration**

Scoring for chamber groups, larger ensembles and full orchestra. *Fall, even years*

**MUCT470 ♦ Alt (3)****Form Analysis**

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

**MUCT535 (2)****Analytical Techniques I**

Detailed comprehensive analysis of representative works from literature of the tonal period.

**MUCT536 (2)****Analytical Techniques II**

Detailed comprehensive analysis of representative works from literature of the post-tonal and 20<sup>th</sup> Century periods.

**Music Education****MUED301 Alt (2)****Conducting I**

The theory and application of basic conducting principles. *Fall, even years*

**MUED302 Alt (2)****Conducting II**

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

**MUED316 Alt (2)****Instrumental Literature**

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

**MUED317 Alt (2)****Choral Literature**

Score analysis; score preparation and programming; study and survey of significant choral literature. Prerequisite: MUED302 or equivalent. *Fall, odd years*

**MUED376 Alt (2)****Brass Methods**

Fundamentals of performing and teaching brass instruments with emphasis on their use in band and orchestra. *Fall, odd years*

**MUED377 Alt (2)****Percussion Methods**

Fundamentals of performing and teaching percussion instruments with emphasis on their use in band and orchestra. *Spring, even years*

**MUED378 Alt (2)****Vocal Methods**

Fundamentals of performing and teaching voice with emphasis on their use in choir. *Fall, even years*

**MUED379 Alt (2)****String Methods**

Fundamentals of performing and teaching string instruments with emphasis on their use in orchestra. *Spring, odd years*

**MUED380 Alt (2)****Woodwind Methods**

Fundamentals of performing and teaching woodwind instruments with emphasis on their use in band and orchestra. *Fall, even years*

**MUED421 ♦ Alt (3)****Organ Literature and Pedagogy I**

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)

**Organ Literature and Pedagogy II**

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

**MUED426** ♦ Alt (3)

**Piano Literature**

A survey of clavichord, harpsichord and piano literature and style, and the evolution of these instruments. *Fall, odd years*

**MUED427** ♦ Alt (3)

**Piano Pedagogy**

The study and review of the materials and methods of private and class piano instruction. *Fall, even years*

**MUED428** ♦ Alt (3)

**String Literature**

The study of string literature and style from the Baroque era to the present, including significant solo, chamber and orchestral works. *Spring, odd years*

**MUED429** ♦ Alt (3)

**String Pedagogy**

The study of beginning through advanced pedagogical techniques, including tone production, dexterity, fingerings and bowings. *Fall, even years*

**MUED430** ♦ (1-3)

**Topics in \_\_\_\_\_**

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

**MUED436** ♦ Alt (3)

**Vocal Literature**

Solo vocal literature representing significant repertoire from the primary eras of music history; Italian, French and German Literature. *Fall, odd years*

**MUED437** ♦ Alt (3)

**Vocal Pedagogy**

A comprehensive study of current methodology directed toward the achievement of artistic singing and productive studio procedures. *Spring, even years*

**MUED438** \$ (1-3)

**Workshop**

**MUED458** ♦ (3)

**Music in the Elementary School**

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

**MUED459** ♦ Alt (3)

**Music Methods and Materials**

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

**MUED464** ♦ Alt (1)

**Score Reading**

Development of keyboard skills in score reading. Graded choral and orchestral literature from two-stave four-part writing to open score is practiced. Repeatable. *Fall, odd years; Spring, even years*

**MUED485** ♦ \$ (1)

**Practicum in Conducting**

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

**MUED515** Alt (3)

**Introduction to Research in Music Education**

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. *Spring, odd years*

**MUED518** (3)

**Instrumental Methods**

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

**MUED521** Alt (3)

**Historical and Philosophical Foundations of Music Education**

Study of the philosophy and practice of Music Education from the 1920s to the present. *Fall, odd years*

**MUED648** \$ (1-3)

**Workshop**

**MUED655** (0)

**Practical Training**

**Music History and Literature**

**MUHL258** (3)

**American and World Music**

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.

**MUHL446** (3)

**Music Literature and Style (Antiquity-Renaissance)**

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** (3)

**Music Literature and Style (Baroque and Classical)**

See MUHL446.

**MUHL448** (3)

**Music Literature and Style (20th Century and Romantic)**

See MUHL446.

**MUHL519** Alt (3)

**Studies in 20th Century Music**

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. *Spring, even years*

**MUHL524 (2)**  
**Music Literature Seminar**

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 semester. Prerequisite: Advanced-level survey courses or demonstrated equivalent. Repeatable with different emphases.

**General Education**

**MUHL214 (3)**  
**Enjoyment of Music**

An opportunity to acquire a better appreciation of classical music—to discover how church music, folk songs, jazz, spirituals, gospel, rock and roll, and pop music fit into the broad spectrum of classical music from 1000 A.D. to the present day.

**MUHL214V (3)**  
**Enjoyment of Music**

Online correspondence course—see content above.

**Honors**

**MUPF396-50 (1)**  
**Honors Music Recital (Junior)**

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)**  
**Honors Music Recital (Senior)**

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)**  
**Independent Study**

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)**  
**Church Music and Hymnology**

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. *Spring, even years*

**MURE485 ♦ (2)**  
**The Church Organ and Service Playing**

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.

**MURE520 Alt (2)**  
**Hymnology and Church Music**

The understanding and appreciation of the heritage and development of Christian hymn singing and Church music repertoire, in their respective liturgical and theological contexts. *Spring, even years*

**MURE590 (1+1)**  
**Ministry of Music Practicum**

A two-semester internship as minister of music or minister of music assistant in a selected church in the local area.

**Performance**

**Private Music Lessons**

There is open enrollment for private music lessons (credit and non-credit) until the drop/add deadline of each semester (10th calendar day after the beginning of each semester). **No music lessons will be assigned after this date.**

**For performance majors only \$ (1-3)**

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

**MUPF165-465 \$ (1-3)**  
**Applied Music Performance Major**

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. Each of these courses require concurrent enrollment in MUPF489.

**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)**  
**Applied Music Non-Performance Major/Minor**

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. Each of these courses require concurrent enrollment in MUPF489.

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**

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**

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)

**Project**

MUPF499	<b>Senior Project</b> Regular grading.	(1–2)
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MUPF450	<b>Project Continuation</b> Student may register for this title while clearing deferred grade (DG) and/or incomplete (I) courses with advisor approval only. Registration for this title indicates full-time status.	\$ (0)
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**Ensembles—Undergraduate (1)**

Department of Music ensembles are open to all students upon permission of the instructor. Ensembles seek to expand the intellectual, psychological and spiritual horizons of the student. 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.

MUPF330	University Orchestra	
MUPF334	Wind Symphony	
MUPF335	I Cantori	
MUPF336	University Chorale	
MUPF339	Chamber Music Ensembles	
MUPF345	Sinfonietta	
MUPF346	Men's Chorus	
MUPF347	Ladies' Chorus	
MUPF385	University Singers	
MUPF405	Keyboard Accompaniment	
MUPF410	Collaborative Piano	

MUPF405	<b>Keyboard Accompaniment</b> Accompanying of instrumental and vocal soloists.	(1)
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MUPF410	<b>Collaborative Piano</b> Coaching and instruction in collaborative piano; the study of piano ensemble repertoire, such as piano duos, piano duets, chamber music and other forms featuring the piano as a collaborative instrument.	(1)
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MUPF420	<b>Diction for Singers</b> The study of the rules for pronunciation and diction of the major languages used by singers. Study of Italian, French, German	◆ Alt (3)
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\$ (1–2) and Latin with application of International Phonetic Alphabet symbols. *Spring, even years*

MUPF478	<b>Study Tour:</b> Travel to destinations relevant to individual programs of study. Classes will be selected from department(s) offerings. Fee may be required.	◆ \$ (0)
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MUPF489	<b>Recital Attendance</b> Attendance of on- and off-campus live musical events. Required for all music majors each semester in full-time residence and four (4) semesters for music minors. Repeatable. Pass/Fail. Students are required to attend nine (9) live musical events each semester in order to pass the course, at least seven (7) of which must be sponsored by the Department of Music. Students may count ensemble concerts in which they perform, but note that multiple performances of a given concert may only be counted as one (1) concert. Music majors and minors who do not achieve a “pass” for one (1) semester may risk losing their standing as a music major or minor.	◆ (0)
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MUPF500	<b>Applied Music Study in Private Lessons (minor performance)</b> May also be chosen by non-music majors. Repeatable.	\$ (1–3)
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MUPF505	<b>Keyboard Accompaniment</b> Accompanying of instrumental and vocal soloists.	(1)
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MUPF506	<b>Advanced Conducting— Choral/Instrumental</b> Repeatable. <b>Section 01:</b> Study of the art and techniques of conducting relative to the score and to the chorus as a performance instrument. <b>Section 02:</b> 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. Each of these courses require concurrent enrollment in MUPF489.	\$ (1–3)
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MUPF510	<b>Collaborative Piano</b> Coaching and instruction in collaborative piano; the study of piano ensemble repertoire, such as piano duos, piano duets, chamber music, and other forms featuring the piano as a collaborative instrument.	(1)
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MUPF515	<b>Recital Accompanying</b> Preparation and public performance of a pianist/soloist recital in which the piano is the principal medium of accompaniment.	(1)
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	<b>Ensembles—Graduate (0 or 1)</b> Department of Music ensembles are open to all students upon permission of the instructor. Ensembles seek to expand the intellectual, psychological and spiritual horizons of the student. 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	
MUPF535	I Cantori	



## 200 COLLEGE OF ARTS & SCIENCES

MUPF537	Ladies' Chorus
MUPF538	Chamber Music Ensembles
MUPF545	Sinfonietta
MUPF546	Men's Chorus
MUPF505	Keyboard Accompanying
MUPF510	Collaborative Piano
MUPF515	Recital Accompanying

### MUPF550 \$ (1-4)

#### **Private Instruction in \_\_\_\_\_**

Private instruction in composition.

### MUPF560 \$ (1-4)

#### **Applied Music Study in Private Lessons (major performance)**

Style and development of repertoire; preparation for public performance. Repeatable. Each of these courses require concurrent enrollment in MUPF489.

### MUPF575 (1-2)

#### **Recital**

### MUPF640 (0)

#### **Recital Continuation**

## Research and Specialized Study

### MUHL650 \$ (0)

#### **Project Continuation**

Student may register for this title while clearing deferred grade (DG) and/or incomplete (I) courses with advisor approval only. Registration for this title indicates full-time status.

### MUHL655 \$ (0)

#### **Program Continuation**

Students may register for this non-credit continuation course to maintain active status. For additional information on active status, please refer to p. 56 in the bulletin. Registration does not indicate full-time status.

### MUHL665 \$ (0)

#### **Comprehensive Exam Preparation**

Advisor approval required. Registration for this title indicates full-time status.

### MUHL670 (0)

#### **Comprehensive Exam**

### MUHL695 (1-2)

#### **Bibliography and Research in Music**

An introduction to the tools and materials available in music research, with a critical analysis of sources. An examination of the goals and methods of research in music and an introduction to scholarly writing.

### MUHL697 (1-3)

#### **Independent Study and Research in Music**

Repeatable.

### MUHL698 (2)

#### **Project**

Repeatable to 4 credits.

### MUHL699 (6)

#### **Master's Thesis**

# PHYSICS

Haughey Hall, Room 211

269-471-3430

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## Faculty

Margarita C. K. Mattingly, *Chair*

Gary W. Burdick

G. Brendan Cross

Mickey D. Kutzner

Tiffany Z. Summerscales

Stephen C. Thorman

## Emeriti

Ronald L. Johnson, *Director, Physics Enterprises*

Robert E. Kingman

S. Clark Rowland

Academic Programs	Credits
BS: Physics	40
BS: Biophysics	40
BS: Physics Education	30
Major in Physics Studies	30
Minor in Physics	20

## Mission

Advance the appreciation, understanding and application of physics in the context of personal integrity and service, scientific rigor, and Seventh-day Adventist faith.

## Strategies

- Create an environment of scholarly inquiry, learning, and creativity
- Develop technical, analytical, and critical thinking skills
- Provide opportunities for intellectual independence, collaboration, and outreach
- Promote personal wholeness, integrity, balance, and spiritual well-being

## Student and Faculty Goals

- Understand physics ideas, principles and interpretation, supporting and participating in research and education
- Measure, analyze and model physical phenomena, lending insight to other disciplines and professions
- Communicate scholarship in written and oral form, networking with scholarly, faith, and civic communities
- Connect scientific and religious world views, serving the Seventh-day Adventist Church and society

Physics describes the world in terms of matter and energy and relates phenomena to fundamental law using mathematical representations. Its scope includes systems that range in size from the sub-nuclear to the entire cosmos.

The BS: Physics program supports and enhances professional careers in all the physical sciences, engineering, and the life sciences. Its emphasis on problem-solving also provides a foundation for careers in medicine, business, law, and government.