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MISS 395 **Special Topics in Missions**  
Topics offered according to interest and demand.

(4, OD)

MISS 191, -2; 291, -2; 391, -2; 491, -2 **Independent Study**

(1, 2, 3 or 4)

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## *Music (undergraduate majors and minors)\**

**The Greatbatch School of Music: Ben. R. King, director**

**Faculty:** Brian Casey, Judy A. Congdon, Paul T. DeBoer, Robert J. Galloway, Mark D. Hijleh, Brandon P. Johnson, Ben R. King, Donna Lorenzo, William J. Newbrough, Sun Mi Ro, Gary M. Stith

**Part-time & Adjunct:** Euridice Alvarez, Amanda Young Cox, Ken Crane, Chisato Eda, Virginia Halberg, Kelley Hijleh, Sharon Johnson, Margaret Kuhl, Ernie Lascell, Anton Machleder, B. Jean Reigles, James Tiller, Rintaro Wada; others as appropriate from the Buffalo and Rochester Philharmonic orchestras

**\*See Graduate Bulletin for information regarding graduate curricula, faculty, and courses.**

**Web site:** [www.houghton.edu/Greatbatch](http://www.houghton.edu/Greatbatch)

**E-mail:** [music@houghton.edu](mailto:music@houghton.edu)

### **Mission**

Within a Christ-centered, challenging, liberal arts education, The Greatbatch School of Music, Houghton College endeavors to produce graduates who, through commitment to musical excellence and to intelligent articulation of the integration of faith and music in their lives, can be effective musical practitioners and advocates in the Christian community and in the broader world.

### **Accreditation**

The Greatbatch School of Music is a full member of the National Association of Schools of Music, and its curricula conform to NASM published standards.

**Majors:** Music BA (38-39 hours); Performance BMus (hours variable); Music Education BMus (hours variable); Composition BMus (hours variable).

**Minors:** Performance and contract minors available (16 hours).

### **Liberal arts study in the Greatbatch School of Music, Houghton College**

Liberal arts students may study privately on a credit basis, may elect major or minor concentrations in music, and may participate in music ensembles. No more than eight hours of applied music may count toward graduation for students who are not majoring or minoring in music.

### **Liberal Arts Music Major (BA)**

Course requirements (listed in catalog order):

INST 201-202 Applied Music (6 hours at or above INST 201) .....	6
MUS — Ensembles (Each semester of residence, with or w/o credit).....	0
MHS 231-334 Music History and Literature I-IV (any 2).....	4-6
MLT 211 Music & Listening: an introduction .....	4
MUS 250 Music in Christian Perspective .....	2
MTH 225, 226, 227, 228, 325, 326, 327, 367 Theory.....	18
Electives in Music (211 or above).....	6
Total:.....	40-42

### **Senior Capstone Requirement**

As a culminating experience in the music major, the degree candidate shall:

1. Prepare and successfully present a public performance of literature on the principal instrument, either as a solo half-recital or as a lecture-recital, with accompanying approved program notes, or
2. Prepare a paper or project examining some aspect of music, either alone or in relationship to another field of inquiry, or
3. Participate in an internship appropriate to the major or majors chosen.

The BA degree in music can be combined with other curricula in a double major. Business administra-

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tion, communication, and psychology are combinations often selected. These combinations are valuable for those wishing to work in some aspect of the music industry. Suggested course sequences may be found in the Music Student Handbook. An audition is required to establish an appropriate performance course level.

For those interested in full-time Christian service with music as a component, a double major with either Bible or Christian Formation (see those respective majors) is recommended. With this major, directed electives in church music should be chosen. An audition is required to establish an appropriate performance course level.

BA music majors must maintain membership in a major ensemble (see ensembles section) with or without credit. Choice of ensemble is made with the School of Music director's approval.

The recital attendance requirement for BA majors is ten performances per semester for any four semesters of residence.

### **Bachelor of Music - Entrance requirements for music majors**

Students planning to pursue bachelor of music curricula should request a special music application when applying for admission to the college. An entrance audition in the major performing area is required. A schedule of such auditions is available from The Greatbatch School of Music. A tape-recorded audition may be sent, by permission of the director, in cases where an in-person audition is not possible. All appropriate forms, guidelines, supplemental information, and scholarship information are available through the music office or online ([www.houghton.edu/Greatbatch](http://www.houghton.edu/Greatbatch)). Call 800.777.2556 or send an e-mail to request these.

### **Transfer students**

Students transferring to Houghton and intending a bachelor of music curriculum should follow the entrance and application procedures outlined above. In addition, transfer students must complete at least four semester hours at Houghton in their major applied area, regardless of achievement or previous hours completed.

### **Integrative Studies Requirements - Bachelor of Music Curricula**

As part of all bachelor of music curricula, students are required to have 32 hours of integrative studies credits, including the following:

#### **Competencies**

##### **A. Writing** (*must satisfy by end of first year*)

- 1) Passes WRIT 101 Writing in the Liberal Arts;
- 2) Passes ENGL 207 Introduction to Literary Studies;
- 3) Earns a score of at least 4 on the AP English Language exam;
- 4) Earns a score of at least 600 on the Writing portion of the SAT;
- 5) Earns a score of at least 26 on the Writing portion of the ACT.

##### **B. Foreign Language**

*Performance, Music Ed Vocal Emphasis (Voice concentration) & Non-music Elective Studies majors:*

Equivalent to 1<sup>st</sup> year of college instruction.

*Composition, Music Ed Instrumental, and Music Ed Vocal Emphasis (Keyboard Concentration):*

Equivalent to 1<sup>st</sup> semester of college instruction.

#### **Faith Foundation**

*Students must complete Bible by end of first year.*

##### **A. Bible**

BIBL 101 Biblical Literature **OR**

Students with at least two years' study of Bible in high school and at least a B average in those courses may take a 200-level BIBL course for their integrative studies requirement. (Exclusions: BIBL 251 Bible History and Geography and BIBL 261 Holy Land Tour.)

##### **B. Theology**

THEL 209 Introduction to Christianity

#### **Culture: Understanding Human Thought and Creative Expression Across Time**

*Students must take at least two of these three categories.*

##### **A. History**

HIST 101 Western Civilization I: Ancient Civilization to 1650 **and** HIST 102 Western Civilization II: 1650 to the Present (students take both)

##### **B. Literature**

ENGL 202 Literary Voices

ENGL 309 British Literature Survey

ENGL 310 American Literature Survey

INTS 203 Literature and Wisdom

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### C. Philosophy

- INTS 203 Literature and Wisdom
- PHIL 202 Metaphysics, Morality and Mind
- PHIL 243 Ancient Philosophy
- PHIL 244 Medieval Philosophy
- PHIL 245 Early Modern Philosophy
- PHIL 246 Late Modern and Contemporary Philosophy

#### Creation: Understanding the Natural World

*Music Ed Vocal and Music Ed Instrumental majors ONLY*

#### A. PHYS 140 Physics of Music

OR

#### A. Science

*If not taking PHYS 140, Music Ed majors must choose at least one course from A and one from B with two different prefixes.*

- BIOL - any Houghton course with a BIOL prefix
- CHEM 151 General Chemistry I (lab)
- CHEM 187/188 Introduction to Nutrition and lab
- ESCI 101 Physical Geology (lab)
- ESCI 102 General Astronomy (lab)
- ESCI 212 Environmental Earth Science (lab)
- PHYS 151 General Physics I (lab)

#### B. Math or Science (If Quantitative Literacy in Competencies is not met, student must take a MATH course.)

- MATH 115 Introduction to Calculus
- MATH 180 Calculus and Its Origins
- MATH 181 Calculus I
- MATH 182 Calculus II
- BIOL - any Houghton course with a BIOL prefix
- CHEM 121 Impact: Science on Society
- CHEM 151 General Chemistry I
- CHEM 187 Introduction to Nutrition
- CSCI 211 Programming I
- PHYS 140 Physics of Music (no lab)
- PHYS 151 General Physics I
- ESCI 101 Physical Geology \*
- ESCI 102 General Astronomy \*
- ESCI 212 Environmental Earth Science

*\*These courses may be taken for 4 hours including a lab component; or, for students who have taken a different lab science and have satisfied their QL competency without a Houghton math course, for 3 hours without a lab.*

#### Integrative Studies Electives

*Must take as many different Integrative Studies Electives as necessary to reach 32 Integrative Studies credits.*

**Choose from any courses listed above not already taken to fulfill other categories and/or choose any courses from the following list.**

- ART 132 Art and Architecture in Context in Europe (Lecture)
- ART 221 Painting I (Studio)
- ART 231 Ancient Art History (Lecture)
- ART 232 Renaissance and Baroque Art History (Lecture)
- ART 234 Art and Architecture in Europe (Lecture)
- ART 235 African Art History (Lecture)
- ART 237 Modern and Contemporary Western Art History (Lecture)
- ART 245 Graphic Design I (Studio)
- ART 251 Sculpture I (Studio)
- ART 261 Printmaking I (Studio)
- ART 271 Ceramics I (Studio)
- ART 281 Foundations of Photography (Studio)
- ART 284 Introduction to Digital Imaging (Studio)
- ART 295 ST: Introduction to Watercolor Painting (Studio)
- ART 295 ST: Imaging the Landscape (Studio)
- ART 295 ST Portraying Place (Studio)
- ART 295 ST: Artist's Book and Papermaking (Studio)
- ART 314 The Art and History of Film (Lecture)

Economics Combination: ECON 201 Introduction to Economics (prerequisite) *and* one of the following

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ECON 210 Principles of Microeconomics  
ECON 211 Principles of Macroeconomics  
ECON 212 International Economics  
ECON 213 American Economic History I: Colonial Era-1865  
ECON 214 American Economic History II: 1865-Present  
ECON 237 Comparative Economic Systems  
ANTH 243 Cultural Anthropology  
BADM 301 Business Communication (COMM)  
COMM 101 Presentational Speaking  
COMM 205 Introduction to Communication Theory  
COMM 214 Introduction to Mass Media  
COMM 215 Interpersonal Communication  
COMM 216 Organizational Communication  
COMM 244 Oral Performance of Literature  
COMM 319 American Public Address  
POLS 201 Introduction to Politics  
POLS 202 Immigration and Citizenship  
POLS 203 Aristotle  
POLS 204 Introduction to Democracy and Governance  
POLS 225 Introduction to Environmental Governance  
PSY 111 Introduction to Psychology  
PSY 218 Social Psychology  
PSY 230 Lifespan Development of the Family  
SOC 101 Principles of Sociology  
SOC 222 Social Problems  
SOC 237 Introduction to Marriage and Family Studies

*The following courses must be taken for credit - either for a grade or for pass/fail.*

HRSM 113 Horsemanship I  
HRSM 221 Riding in Africa  
HRSM 276 Dressage  
HRSM 323 Eventing  
HRSM 325 Horsemanship: Jumping I  
PHED 121 Badminton  
PHED 122 Beginning Ballet  
PHED 123 Canoeing  
PHED 124 Cross-Country Skiing  
PHED 125 Downhill Skiing/Snowboarding  
PHED 126 Golf  
PHED 128 Personal Fitness Contract  
PHED 129 Table Tennis  
PHED 130 Racquetball  
PHED 131 Rock Climbing  
PHED 133 Softball  
PHED 135 Swimming  
PHED 136 Tennis  
PHED 137 Volleyball  
PHED 138 Walking/Jogging  
PHED 139 Water Skiing  
PHED 140 Weight Training  
PHED 145 Continuing Ballet  
PHED 146 Beginning Jazz Dance  
PHED 147 Soccer  
PHED 148 Continuing Jazz Dance  
PHED 220 Adventure Sports  
PHED 101 Fitness for Life  
PHED 237 Holistic Health  
PHED 248 Inclusive Physical Education  
REC 103 Initiatives  
REC 104 Backpacking  
REC 211 Eco-tour in Honduras  
REC 212 Eco-tour in Africa  
REC 227 Outdoor Leadership Training

\*The minimum requirement for Music Education-Instrumental (MEI), Composition, and Music Education-Vocal (MEV) Piano Concentration majors is four hours of beginning foreign language. The minimum requirement for Music Education-Voice (MEV) majors, and for Instrumental Performance majors, is eight hours of one foreign language, normally either German (preferred) or French. The minimum requirement for Vocal Performance majors is 16 hours of beginning language, one year each of French and German. Music majors may satisfy these requirements via placement exam, CLEP, or AP exam.

### **Bachelor of Music - Senior Capstone Experience**

As a culminating experience in any bachelor of music curriculum, the degree candidate shall successfully complete the senior capstone experience. Composition, music education, and performance majors prepare and successfully present one or more public performances of literature on the principal instrument, either a solo half-recital (music education curricula), the junior-senior recital sequence MUS 385/485 (performance curricula), or a full senior composition recital (composition curriculum). For music education majors the successful completion of music student teaching and its attendant seminar (MED 405, 419) are also components of the capstone. For the Bachelor of Music with Non-Music Elective Studies, Bachelor of Arts capstone criteria apply.

### **Bachelor of Music in Composition**

The composition curricula provides a foundation for graduate degree study leading to college/conservatory teaching credentials in composition and theory, as well as professional and/or commercial compositional activity. Students explore a wide variety of musical styles with an emphasis on understanding compositional techniques which may be less familiar to them, such as those of 20th century art music. The senior recital requirement may be met by either a full recital of original compositions, or by a half recital of original compositions plus an original work of significant length and form included in another performance. The composer must serve as a performer or conductor for at least one of the pieces on the senior recital.

Course requirements (listed in catalog order):

COMP 201-402 Applied Composition .....	16
INST 201+ Applied Music (Required piano: min. 4 hours at or above PIAN 201) ....	6-18
PERF 485 Senior Capstone: Senior Recital .....	0
MUS 229 Basic Conducting .....	2
MUS 329 Choral Conducting or	
MUS 430 Instrumental Conducting.....	2
MUS— Ensembles (with or without credit-8 semesters) .....	0
MED 214 Woodwind Instruments .....	1
MED 215 String Instruments .....	1
MED 217 Brass Instruments.....	1
MED 218 Percussion Instruments.....	1
MHS 231-334 Music History and Literature I-IV .....	10
MUS 250 Music in Christian Perspective .....	2
MUS 356 Vocal Pedagogy (Voice concentration only).....	(2)
MTH 226, 228, 326 Aural Skills.....	4
MTH 225-7, 325-7, 367 Theory .....	14
Advanced theory, chosen from:.....	6
MTH 458 Sixteenth Century Counterpoint (3) or	
MTH 475 Synthesizer Computer Applications (3) or	
MTH 463 Form and Analysis (3)	
Total:.....	66-80

Entering Composition majors are expected to enter with performance proficiency equivalent to INST 201 in the principal instrument concentration and PIAN 101, if the principal instrument concentration is not the piano. Required graduation levels are minimum 6 hrs at or above INST 301 in the principal instrument concentration and minimum 4 hrs of piano at or above PIAN 201 if the principal instrument concentration is not the piano.

### **Bachelor of Music with Non-Music Elective Studies**

This innovative, flexible curriculum provides an excellent option for musicians combining a passion for music with other interests and talents, providing the opportunity to combine in-depth with significant, focused work (18 hours minimum, up to 33 hours) in another discipline. The range of possibilities can be as creative as the interests and abilities of the student permits.

Course requirements (listed in catalog order):

INST 201-401 Major Applied Studies (min. 3 hours at or above INST 401 .....	15
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MUS 229	Basic conducting .....	2
MUS 250	Music in Christian Perspective .....	2
MUS ---	Ensembles (with or without credit--8 semesters) .....	0
MHS 231-334	Music History and Literature I-IV .....	10
MKBD I-IV	Practical keyboard I-IV (or equivalent competency) .....	0-4
MTH 226, 228, 326	Aural Skills .....	4
MTH 225-7, 325-7, 367	Theory .....	14
	Music Electives .....	6-13
	Music Capstone .....	0-3
	Music Total needs to equal .....	60
Non-music Elective studies (must include the minor in any discipline offering the minor) .....		18-33

### Music Education

Music education curricula prepare students for teaching music in grades K-12. Entrance levels and graduation requirements vary for the four curricula as outlined below. These curricula meet all teacher certification requirements of the Board of Regents of the University of the State of New York.

#### Bachelor of Music in Music Education – Instrumental emphasis (MEI)

Music Courses (listed in catalog order):	Hours	
INST 201-402 Applied Concentration (min. 7 hrs at or above INST 401).....	19	
VOIC 101 Voice (beyond MCLV) .....	1	
PERF 485 Senior Capstone: Senior Recital .....	0	
MCHU 475 Service Playing, Piano (keyboard concentration only) .....	(1)	
MUS 229 Basic Conducting .....	2	
MUS 430 Instrumental Conducting.....	2	
MED 214-218 WW, St, Br, Prc Instruments .....	4	
MED 330 Keyboard Skills (Keyboard concentration only) .....	(2)	
MUS – Ensembles (7 sem., with or w/o credit).....	0	
MUS 223 Jazz Workshop.....	1	
MKBD I-III Practical Keyboard I-III (Instr. concentration only) .....	(0-3)	
MHS 231-334 Music History and Literature I-IV .....	10	
MUS 250 Music in Christian Perspective .....	2	
MTH 226, 228, 326 Aural Skills.....	4	
MTH 225-7, 325-7, 367 Music Theory .....	14	
Total: .....		62

Professional Education:	Hours	
EDUC 202 Topics in Professionalism.....	0	
EDUC 219 Educational Psychology.....	4	
EDUC 217 Education and American Culture <i>or</i>		
EDUC 218 Secondary Education and American Culture .....	4	
EDUC 235 Educating Exceptional Learners .....	4	
MED 210 Field Experience in Music Education.....	2	
MED 227-242 St, Br, Prc, WW Techniques.....	7	
MED 351 Elementary School Methods.....	2	
MED 354 Instrumental Methods .....	2	
MED 405 Student Teaching.....	12	
MED 419 Student Teaching Seminar .....	2	
Total: .....		39

#### Bachelor of Music in Music Education – Vocal emphasis (MEV)

Music Courses (listed in catalog order):	Hours
INST 201-402 Applied Concentration (min. 7 hrs at or above INST 401).....	19
VOIC 101 Voice (beyond MCLV; Keyboard concentration only) .....	(2)
PERF 485 Senior Capstone: Senior Recital .....	0
MCHU 475 Service Playing, Piano (Keyboard concentration only) .....	(1)
MUS 229 Basic Conducting .....	2
MUS 329 Choral Conducting .....	2
MED 214-218 WW, St, Br, Prc Instruments .....	4
MED 330 Keyboard Skills (Keyboard concentration only) .....	(2)
MUS – Ensembles (7 sem, with or w/o credit).....	0
MUS 353 Opera Theatre .....	1

MKBD I-VI Practical Keyboard I-VI (Voice concentration only).....	0-6
MHS 231-334 Music History and Literature I-IV.....	10
MUS 219-220 Foreign Language Diction.....	2
MUS 250 Music in Christian Perspective.....	2
MUS 356 Vocal Pedagogy (Voice concentration only).....	(2)
MTH 226, 228, 326 Aural Skills.....	4
MTH 225-7, 325-7, 367 Music Theory.....	14
Total:.....	62-68

<b>Professional Education:</b>	<b>Hours</b>
EDUC 202 Topics in Professionalism.....	0
EDUC 219 Educational Psychology.....	4
EDUC 217 Education and American Culture or.....	4
EDUC 218 Secondary Education and American Culture	
EDUC 235 Educating Exceptional Learners.....	4
MED 210 Field Experience in Music Education.....	2
MED 351 Elementary School Methods.....	2
MED 352 Secondary School Methods.....	2
MED 405 Student Teaching.....	12
MED 419 Student Teaching Seminar.....	2
Total:.....	32

### **Bachelor of Music in Music Education – Alternate Applied Concentration in Composition (MEV-C or MEI-C)**

An alternate curricular plan in music education (for students with either vocal or instrumental emphasis) with a concentration in composition is available for qualified students. The bachelor of music in music education curricula outlined above form the core, with the following changes:

<b>Music Courses (listed in catalog order):</b>	<b>Hours</b>
INST 201+ Applied Music (at or above INST 201).....	10
COMP 201-202 Applied Composition.....	6
Advanced theory chosen from.....	3
MTH 458 Sixteenth Century Counterpoint (3) or	
MTH 475 Synthesizer Computer Applications (3) or	
MTH 463 Form and Analysis (3)	
MAP 485 Senior Capstone: Senior Recital (Composition).....	0

Students pursuing this major must meet the entrance and graduation proficiency requirements cited under the BMus Composition major.

**Performance curricula** give initial preparation for careers as solo performers in concert, recording, or church fields; as accompanists, as private studio teachers; as professional ensemble members; as junior college or Bible school faculty, or college teachers (after advanced study). Practical experience in teaching is desirable during junior/senior years. Highest level of performance is expected. Course requirements are listed in catalog order:

### **Bachelor of Music in Performance – Instruments: Brass, Guitar, Percussion, Strings, or Woodwinds**

<b>Music Courses (listed in catalog order):</b>	<b>Hours</b>
INST 301-402 Major Applied Studies (min. 16 hours at or above INST 401).....	30
INST 101+ Applied minor in major family.....	4
PLAN 101 Piano(beyond MKBD III).....	3-6
PERF 385 Junior Recital.....	0
PERF 485 Senior Capstone: Senior Recital.....	0
MUS 229 Basic Conducting.....	2
MUS 430 Instrumental Conducting.....	2
MUS – Ensembles (with or without credit -- 8 semesters).....	0
MED 241 Brass Techniques (2) or	
MED 242 Woodwind Techniques (2) or	
MED 227 String Techniques (2).....	2
MHS 231-334 Music History and Literature I-IV.....	10
MLT 450-1-2-3 Instrumental Literature.....	2
MUS 250 Music in Christian Perspective.....	2

MTH 226, 228, 326 Aural Skills.....	4
MTH 225-7, 325-7, 367 Theory .....	14
Advanced theory, chosen from: .....	6
MTH 458 Sixteenth Century Counterpoint (3)	
MTH 475 Synthesizer Computer Applications (3)	
MTH 463 Form and Analysis (3)	
Total: .....	81-84

### Bachelor of Music in Performance—Organ

Music Courses (listed in catalog order):	Hours
ORGN 301-402 Organ (min. 16 hours at or above ORGN 401).....	30
PIAN 201-202 Piano (at or above PIAN 201).....	5
COMP 201 Applied (private) composition or	
MTH 367 Elementary Composition and Orchestration .....	2
PERF 385 Junior Recital .....	0
PERF 485 Senior Capstone: Senior Recital .....	0
MCHU 476 Service Playing .....	2
MUS 229 Basic Conducting .....	2
MUS — Ensembles (with or without credit -- 8 semesters).....	0
MHS 231-334 Music History and Literature I-IV .....	10
MLT 470 Organ Literature.....	2
MUS 250 Music in Christian Perspective .....	2
MUS 470 Organ Pedagogy.....	2
MED 330 Keyboard Skills.....	2
MTH 226, 228, 326 Aural Skills.....	4
MTH 225-7, 325-7, 367 Theory .....	14
Advanced theory, chosen from: .....	6
MTH 458 Sixteenth Century Counterpoint (3)	
MTH 475 Synthesizer Computer Applications (3)	
MTH 463 Form and Analysis (3)	
Total: .....	83

### Bachelor of Music in Performance—Piano

Music Courses (listed in catalog order):	Hours
PIAN 301-402 Piano (min. 16 hours at or above PIAN 401).....	30
INST 101-102 Applied Minor (organ strongly recommended).....	5
PERF 385 Junior Recital .....	0
PERF 485 Senior Capstone: Senior Recital .....	0
MCHU 475A Service Playing.....	1
MUS 229 Basic Conducting .....	2
MED 330 Keyboard Skills.....	2
MUS — Ensembles (with or without credit -- 8 semesters).....	0
MHS 231-334 Music History and Literature I-IV .....	10
MLT 480 Piano Literature.....	2
MUS 250 Music in Christian Perspective .....	2
MUS 477 Piano Pedagogy.....	3
MTH 226, 228, 326 Aural Skills.....	4
MTH 225-7, 325-7, 367 Theory .....	14
Advanced theory, chosen from: .....	6
MTH 458 Sixteenth Century Counterpoint (3)	
MTH 475 Synthesizer Computer Applications (3)	
MTH 463 Form and Analysis (3)	
Total: .....	81

### Bachelor of Music in Performance—Voice

*The minimum requirement for Vocal Performance majors is 16 hours of beginning language, one year each of French and German. Vocal Performance majors may satisfy these requirements via placement exam, CLEP, or AP exam.*

Music Courses (listed in catalog order):	Hours
VOIC 301-402 Voice (min. 16 hours at or above VOIC 401) .....	28
PIAN 101 Piano (beyond MKBD III) .....	6-9
PERF 385 Junior Recital .....	0

PERF 485	Senior Capstone: Senior Recital .....	0
MLT 460	Vocal Literature .....	2
MUS —	Ensembles (with or without credit -- 8 semesters).....	0
MUS 229	Basic Conducting .....	2
MUS 329	Choral Conducting .....	2
MHS 231-334	Music History and Literature I-IV .....	10
MUS 219-220	Foreign Language Diction.....	2
MUS 250	Music in Christian Perspective .....	2
MUS 356	Vocal Pedagogy .....	2
MTH 226, 228, 326	Aural Skills.....	4
MTH 225-7, 325-7, 367	Theory .....	14
Advanced theory, chosen from: .....		6
MTH 458	Sixteenth Century Counterpoint (3)	
MTH 475	Synthesizer Computer Applications (3)	
MTH 463	Form and Analysis (3)	
Total: .....		80-83

**Contract minor in music**

A 16-hour contract minor as determined by arrangement with the director of The Greatbatch School of Music. A special course of study is developed to meet the student’s specific goals and is signed prior to the taking of the courses. The signed course of study is placed on file in the Academic Records Office.

**Performance minor**

Sixteen hours in one specific performance area (eight hours at or above INST 201 and one year in an appropriate ensemble). A hearing is required to establish an appropriate performance course level. Limited enrollment in some areas based on teacher load availability.

- Instrumental and Vocal: voice, violin, viola, violoncello, double bass, guitar, trumpet, French horn, trombone, euphonium, tuba, flute, oboe, clarinet, saxophone, bassoon, percussion
  - 14 hours of applied music
  - 2 hours of ensemble
- Keyboard: 14 hours of piano (10 hours at or above PIAN 301)
  - 14 hours of organ (6 hours of piano at or above PIAN 101 and 10 hours of organ at or above ORGN 201, or 14 hours of organ at or above ORGN 201)
  - 2 hours of ensemble

**Short Course in Organ**

Students interested in developing an organ technique for modest church requirements may elect a number of hours in organ, taking a minimum of one hour of practice per day, five days a week, for one hour credit per semester, or six days practice a week for two hours credit. Four semesters of such study will ordinarily suffice, although further work is encouraged. (Regular or intensified study is also available in summer school.)

**Summer School**

Applied music lessons and composition may be taken for credit during summer school, depending on instructor availability.

**Course Descriptions**

**Applied Study** (private lesson fees charged, see Financial Information in this catalog)

Applied (private lesson) study is available only by permission of the appropriate studio faculty, and requires an audition. May be taken for major, minor, or elective credit. Each level number must be taken for a minimum of two credit hours before advancing to the next number. A minimum of two semesters at level (100, 200, etc.) is required before advancing to the next level. Applied study does not carry Integrative Studies credit.

*Course Numbering in Applied Study (all performance areas; INST = instrument code):*

INST 101, 102 (1-3, F&S)

Normal level for introductory private study, non-majors. Permission of appropriate studio faculty. For voice: successful completion of MCLV II or permission. For piano: successful completion of MKBD IV or permission.

INST 201, 202 (1-3, F&S)

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Normal entering level for Bachelor of Arts, Composition, Music Education, and Bachelor of Music with Non-Music Elective Studies majors. Audition required, or prerequisite of INST 102 and permission of studio faculty.

INST 301, 302 (1-6, F&S)

Normal entering level for Performance majors; intermediate private study, Bachelor of Arts, Composition, Music Education, Bachelor of Music with Non-Music Elective Studies majors, minors, and elective study. Audition required, or INST 202 as prerequisite. May be repeated for two additional semesters.

INST 401, 402 (1-6, F&S)

Advanced private study for BMus. majors. Prerequisite: INST 302 and successful Sophomore Review. Repeatable as required.

### Areas of Applied Study

#### **Collaborative Performance**

CLPR 401-402 **Collaborative Performance** (1-4, F&S)

Preparation and presentation of joint performances in a variety of keyboard, instrumental, and vocal combinations.

#### **Composition**

COMP 201-202, 301-302, 401,402 **Composition** (1-4, F&S)

Original composition in various forms, genres, and styles.

#### **Conducting**

CONC 401-402 **Advanced Conducting, Choral** (1-4, F&S)

Preparation of material for a major choral ensemble and actual experience directing the ensemble. Prerequisites: MUS 229,329, participation in ensemble, permission of ensemble director.

CONI 401-402 **Advanced Conducting, Instrumental** (1-4, F&S)

Preparation of material for a major instrumental ensemble and actual experience directing the ensemble. Prerequisites: MUS 229, 430, participation in ensemble, and permission of ensemble director.

### Individual Performance Areas

#### **Brass & Percussion**

HORN 101-102, 201-202, 301-302, 401-402 **French Horn**

TRPT 101-102, 201-202, 301-302, 401-402 **Trumpet**

EUPH 101-102, 201-202, 301-302, 401-402 **Euphonium**

TRMB 101-102, 201-202, 301-302, 401-402 **Trombone**

TUBA 101-102, 201-202, 301-302, 401-402 **Tuba**

PERC 101-102, 201-202, 301-302, 401-402 **Percussion**

#### **Strings**

VILN 101-102, 201-202, 301-302, 401-402 **Violin**

VOLA 101-102, 201-202, 301-302, 401-402 **Viola**

VCLO 101-102, 201-202, 301-302, 401-402 **Violoncello**

BASS 101-102, 201-202, 301-302, 401-402 **Double Bass**

GUIT 101-102, 201-202, 301-302, 401-402 **Guitar**

HARP 101-102, 201-202, 301-302, 401-402 **Harp**

#### **Keyboard**

HPSC 101-102, 201-202, 301-302, 401-402 **Harpichord**

ORGN 101-102, 201-202, 301-302, 401-402 **Organ**

PIAN 101-102, 201-202, 301-302, 401-402 **Piano**

#### **Voice**

VOIC 101-102, 201-202, 301-302, 401-402 **Voice**

#### **Woodwinds**

FLUT 101-102, 201-202, 301-302, 401-402 **Flute**

OBOE 101-102, 201-202, 301-302, 401-402 **Oboe**

CLAR 101-102, 201-202, 301-302, 401-402 **Clarinet**

SAXO 101-102, 201-202, 301-302, 401-402 **Saxophone**

BSSN 101-102, 201-202, 301-302, 401-402 **Bassoon**

#### **Special Studies**

SPEC 101-102, 201-202, 301-302, 401-402 **Specialized Study**

PERF 385 **Junior Recital**

PERF 485 **Senior Capstone: Senior Recital** (0, F&S)

#### **Church Music**

MCHU 311 **Historical Congregational Song** (2, F09)

Introductory history of hymnology from the early Christian Church to about 1950. An investigation of hymnic poetic and musical styles. Stress upon familiarity with the hymnal. When taken with MCHU 312 meets Culture: Art or Music.

MCHU 312 **Recent Congregational Song** (2, F09)

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Survey of diverse streams of Christian congregational song in English from about 1950 to the present time, including: songs of “hymn explosion”, songs of the liturgical renewal, Praise & Worship repertoire, and global song. Basic music-reading ability is expected. When taken with MCHU 311 meets Culture: Art or Music.

**MCHU 451 Music and Worship** (3, OD)  
Music and liturgical practices in the history of the Christian Church and consideration of issues in contemporary worship practice in light of church history and Christian theology. Culture: Music.

**MCHU 475 Service Playing, Piano** (1, S)  
Development of keyboard skills with special application to piano playing in church service: melody harmonization and reharmonization, hymn playing and transposition, accompanying (solo and choral), extemporization in various styles. Permission of instructor. Required of piano majors and piano & organ concentrations within music education curricula.

**MCHU 476 Service Playing, Organ** (2, S)  
Development of keyboard skills with special application to organ playing in church service: melody harmonization, bass realization, hymn playing and transposition, accompanying (solo and choral), extemporization in various styles. Permission of instructor.

**Composition** (see Applied Study above for private composition courses)  
**MTH 367 Elementary Composition and Orchestration** (2, F&S)  
Composition and orchestration of smaller forms up to and including the sonata. Students progress in formal and technical skill by ability. Public performance encouraged. Prerequisite: MTH 326 or permission.

**Conducting** (see Applied Study above for advanced conducting courses)  
**MUS 229 Basic Conducting** (2, F&S)  
Basic conducting, rhythmic development, baton technique, three hours per week. Prerequisite: MTH 225.

**MUS 329 Choral Conducting** (2, S)  
Elements of choral conducting; training of choirs; rehearsal techniques; preparation of choral scores. Three hours per week. Prerequisite: MUS 229.

**MUS 430 Instrumental Conducting** (2, S)  
Conducting laboratory band or orchestra; methods of presenting band and orchestral materials. One and one-half hours with laboratory band or orchestra per week. Prerequisite: MUS 229.

## **Ensembles**

### **For non-music majors**

All college students are invited to participate in the various musical organizations. Credit is awarded non-music majors for the various available ensembles (normally one credit per semester), and an academic grade is recorded. By special permission of the conductor, a student may participate in a major ensemble without credit. Chamber ensembles are also formed according to demand, either with or without credit.

Ensembles which carry integrative studies credit include Men’s Choir (MUS 344), Women’s Choir (MUS 345), Symphonic Winds (MUS 337), Philharmonia (Orchestra) (MUS 343), and College Choir (MUS 349). Completion of the IS fine arts requirement normally requires two years’ participation in a major ensemble. Membership in major ensembles is on a yearly basis; students enrolled in the fall semester are also expected to participate in that ensemble in the spring semester. A director may occasionally grant an exception to the foregoing, or permit joining for only the second semester.

Non-music majors may participate in any music ensemble, by audition or permission of the director.

### **For music majors**

One major ensemble (MUS 344, 345, MUS 347, MUS 337, MUS 343, or MUS 349) is required of music majors during each semester of residence. The time spent in such experience is three or five hours per week per ensemble. Woodwind, brass, and percussion majors must be members of both orchestra and symphonic winds unless excused by the director of one of these ensembles with the concurrence of the associate dean for music.

Credit is allowed for membership in the second ensemble. Those who elect the vocal curriculum are excused from participating in instrumental ensembles.

### **Major ensembles (§ course available for 2 credits in any semester wherein ensemble tours.)**

Audition required. By permission of the director.

**MUS 344 Men’s Choir** (0/1, F&S)

- MUS 345 **Women's Choir** (0/1, F&S)  
 MUS 337 **Symphonic Winds (Touring) §** (0/1, F) (0/1/2, S)  
 MUS 343 **Philharmonia (Orchestra) (Touring)** (0/1, F&S)  
 MUS 349 **College Choir (Touring) §** (0/1, F) (0/1/2, S)
- MUS 223 (1)/224 (0) **Jazz Workshop (Houghton Jazz)** (0, 1, F&S)  
 Preparation and presentation of a variety of jazz repertoire including swing, combo, and modern styles. Permission of director.
- MUS 226 (1)/227 (0) **Flute Ensemble** (0, 1, F&S)  
 Preparation and presentation of repertoire for flute ensemble. Permission of director.
- MUS 255 (1)/256 (0) **Brass Ensemble** (0, 1, F&S)  
 Preparation and presentation of repertoire for brass ensemble. Permission of director.
- MUS 353 (1)/354 (0) **Opera Theater** (0, 1, S)  
 Preparation and presentation of operatic scenes and complete works from the standard repertoire. Some musical comedy. Study of techniques of stage movement and stagecraft. Three hours in rehearsal per week; some outside rehearsal. Permission of director.
- MUS 447 (1)/448 (0) **Piano Ensemble** (0, 1, F&S)  
 Performance of keyboard ensemble repertoire, Renaissance to 20th century. Duet and multi-piano literature. Emphasis on style and special ensemble problems. Fulfills ensemble requirement for junior and senior applied piano (performance) majors. Four hours outside practice.
- MUS 455 (1)/456 (0) **Chamber Singers** (0, 1, F)  
 Practical experience singing in a small group of 12 to 16 performers. Three hours in rehearsal per week. Permission of director.
- MUS 457 (1)/458 (0) **Chamber Ensembles** (0, 1, F&S)  
 Ensembles organized to include interested students. Small groups rehearse three hours per week. Standard literature for handbells, percussion, strings, woodwinds, brass, percussion, guitar, etc., is studied with a view toward public performance during the year. Permission of appropriate ensemble director.
- Group Instruction: Practical Keyboard**  
 Elementary and intermediate piano taught in six semesters of Practical Keyboard. One hour class, six hours practice weekly. Emphases: technique, repertoire, and functional skills of sight-reading, transposition, improvisation, and accompaniment. Placement level determined by audition. Piano levels 222, 225, 226, 227 must be taken by all music education non-keyboard majors except instrumental majors regardless of repertoire level at audition.
- MKBD I **Practical Keyboard I** (1, F&S)  
 Basic technique, rhythm, tone conception, articulation, fingering. Pentachord patterns, sight reading, transposition. Tetrachord scales. Simple I-V harmonization. Grade 1 repertoire.
- MKBD II **Practical Keyboard II** (1, F&S)  
 Basic work as in MKBD 110-111; pedaling and phrasing. Easier major scales, two rhythms, and arpeggios (hands separate). I-IV-V progressions and harmonization with simple accompaniments; IV7 by-ear chording. Grade 1 sight reading. Grade 2 repertoire.
- MKBD III **Practical Keyboard III** (1, F&S)  
 Easier major scales, hands together, two rhythms; easier arpeggios and minor scales, hands separate. Major/minor primary triad patterns and harmonization, by-ear work with varied accompaniments. Grade 2 sight reading; simple improvisation; easy hymns. Grade 3 repertoire.
- MKBD IV **Practical Keyboard IV** (1, F&S)  
 Major/minor scales, arpeggios, triads; hands together. Major/minor progressions, harmonization; by-ear work using secondary chords and expanded accompaniments. Grade 2-1/2 sight reading; grade 3 transposition, improvisation; hymns, songs. Repertoire such as Bach short preludes and easy sonatinas.
- MKBD V **Practical Keyboard V** (1, F&S)  
 All major/minor scales and arpeggios, hands together, three rhythms. Progressions, harmonization; by-ear

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work using secondary chords and dominants in expanded patterns. Grade 3 sight reading; four-part transposition. Repertoire: easier Bach inventions, allegro sonatina movement.

**MKBD VI Practical Keyboard VI** (1, F&S)

All scales and arpeggios, four rhythms. Harmonization and by-ear work with advanced chords and accompaniments. Hymns and patriotic songs in pianist styles with transposition. Choral (including open vocal score) and art song accompaniment. Grade 4 sight reading. Repertoire such as Bach inventions and easy classic sonatas.

**Group Instruction: Voice Class**

**MCLV I Class Voice I** (1, F&S)

Study of posture, breath control, tone production, and diction. Textbook used. Includes both group and individual singing of simple vocalises and songs in English. Hearing required. Six hours practice.

**MCLV II Class Voice II** (1, F&S)

Continued study of basic vocal techniques. Emphasis on individual singing of vocalizes and songs in English. Introduction to Italian diction. Hearing required. Six hours practice.

**Music Education**

**MED 203 Music in Therapy** (3, OD)

Introduction to music therapy as a profession and to applying music as a therapeutic method. History and present state of music therapy; music's contribution to business, industry, schools. Expected: some skill at reading music and some skill at the piano.

**MED 210 Field Experiences in Music Education** (2, M)

Students participate in three weeks of field experiences in high-need school districts working as teachers' assistants and meet in a weekly seminar to discuss their experiences. Designed to fulfill the New York State field experience mandate; students earn 75-90 hours of field experience credit taken during freshmen or sophomore years. Students may opt to take EDUC 240, Teaching in Urban America, in lieu of this course. (See Greatbatch School of Music Handbook for detailed explanation of Field Experience and other Certification requirements.)

**MED 214 Woodwind Instruments** (1, F&S)

Basic techniques of playing flute, oboe, clarinet, saxophone, and bassoon; acoustical, historical, and practical understanding of these instruments. Two hours class, two hours practice per week.

**MED 215 Stringed Instruments** (1, F&S)

Basic techniques of playing violin, viola, 'cello, and double bass; acoustical, historical, and practical understanding of these instruments. Two hours class, two hours practice per week.

**MED 217 Brass Instruments** (1, S)

Class instruction in various brass instruments to acquaint music education majors with basic problems and teaching techniques of the brasses. Includes study on at least three brass instruments. Two hours class, two hours individual practice per week.

**MED 218 Percussion Instruments** (1, S)

Snare drum, timpani basics, bass drum, mallet instruments, cymbals, smaller instruments of the battery; prepares music education majors to teach percussion instruments in public schools. Concentration on snare drum: coordination of hands; counting and playing rhythm. Two hours class, two hours individual practice per week.

**MED 227 String Techniques** (2, S)

Preparation for teaching violin, viola, 'cello, and double bass through the high school level. Development of playing and demonstration abilities. Survey of methods and materials. Two hours class, three hours practice. Prerequisite: MED 215.

**MED 240 Percussion Techniques** (1, S)

Preparation for teaching percussion instruments through high school level. Development of playing skills on timpani, mallet instruments, drums. Survey of percussion ensemble music and other materials. One class per week, three hours practice. Prerequisite: MED 218.

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**MED 241 Brass Techniques** (2, F)  
Preparation for teaching brass instruments through the high school level. Development of playing and demonstration abilities. Survey of methods and materials. Two hours class, three hours practice. Prerequisite: MED 217.

**MED 242 Woodwind Techniques** (2, S)  
Preparation for teaching woodwind instruments through the high school level. Development of playing and demonstration abilities. Survey of methods and materials, two class hours, three hours of practice. Prerequisite: MED 214.

**MED 330 Keyboard Skills** (2, F or S)  
Functional piano class required of piano and organ majors and concentrations within music education curricula. Emphases: sight reading, harmonization, transposition, accompaniment, score reading, improvisation. Jury exam. Six hours weekly practice. Prerequisite: Piano level 237.

**MED 351 Elementary School Methods** (2, F)  
Preparation for teaching general music in kindergarten through sixth grades. Particular emphasis upon preparation to teach according to the New York State Learning Standards for the Arts.

**MED 352 Secondary School Methods** (2, S)  
Preparation for directing secondary school (grades seven-12) choral ensembles and for teaching secondary level general music and other non-performance music classes. Particular emphasis upon preparation to teach according to the New York State Learning Standards for the Arts.

**MED 354 Instrumental Methods** (2, S)  
Instrumental music program in public schools. Organization and training of school orchestras, bands, and instrumental classes; pedagogical methods of the standard band and orchestra instruments. Particular emphasis on preparation to teach by the New York State Learning Standards for the Arts.

**MED 405 Student Teaching in Music** (12, F)  
Practical experience teaching music in public schools. Two placements of approximately seven weeks each, one on the elementary level (grades K-six), and one on the secondary level (grades seven-12). Criteria for approval: Completion of required professional education coursework as per emphasis, cumulative GPA of at least 2.70, documentation of at least 100 hours of field experience, and approval by the student teaching committee.

**MED 419 Student Teaching Seminar** (2, F)  
Seminar during and following student teaching dealing with effective teaching practices including problems of motivation, group management, curriculum development, and musical education goals.

### **Music History and Literature**

**MHS 222 Introduction to Film Music** (3, OD)  
History and aesthetics of music written for Hollywood films. Exploration of the sociology, philosophy, psychology, and technique of film music. Review of the elements of musical style with particular emphasis on their relation to the dramatic aspects of film. Written work emphasizing critical analysis of the use of music in various American film genres. Culture: Music.

**MHS 231 Music History and Literature I** (2, F)  
Development of music from earliest times through the Renaissance. Principles of listening and style analysis. Literature and style of various schools. Listening, examination of scores, performance, research reports, lectures, discussion. With MHS 232 satisfies Culture: Music.

**MHS 232 Music History and Literature II** (2, S)  
Continues MHS 231, from late Renaissance through Baroque (1750). With MHS 231 satisfies Culture: Music.

**MHS 254 Music of World Cultures** (3, OD)  
Survey of Asian, Latin American, African, European music; listening experience, with research and analysis. Introduction to ethnomusicology to broaden student's perspective. Recommended for those interested in mission field or intercultural relations. Culture: Music.

**MHS 333 Music History and Literature III** (3, F)  
Development of early classic through romantic music styles in cultural context. Principles of listening and

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style analysis. Introduction to basic bibliography and research. Principles of a Christian aesthetic. Culture: Music.

**MHS 334 Music History and Literature IV** (3, S)  
From late romantic through 20th century styles. Emphasis on individual research, writing, and class presentations. Evaluation of musical-cultural trends from a Christian perspective. Culture: Music.

**MLT 113 Masterworks of Sight and Sound** (3, OD)  
Introduction of art and music from classic age to present; concert and gallery attendance included.

**MLT 211 Music and Listening: An Introduction** (4, F&S)  
Introduction to the study and enjoyment of classical masterpieces in music: recordings, outside biographical readings, reports on current musical events. Culture: Music.

**MLT 450, 451, 452, 453 Brass, Woodwind, String and Percussion Literature** (2, OD)  
Survey of standard chamber, solo, and orchestral excerpt repertoire from the Baroque to the present. Emphasis on stylistic and interpretive traits, pedagogical issues and repertoire selection, major composers and representative works.

**MLT 460 Vocal Literature** (2, S10)  
Survey of standard vocal repertoire from the High Baroque to the present. Emphasis on stylistic and interpretive traits, pedagogical issues and repertoire selection, major composers and representative works.

**MLT 470 Organ Literature** (2, OD)  
An examination of the history of the development of the organ and its literature from the middle ages to the present. Examination of style and structure and their impact on performance.

**MLT 480 Piano Literature** (2, OD)  
An examination of the history of the development of the piano and its literature, including music written for early keyboard instruments which today is accepted as part of the piano repertoire. Emphasis on 18th, 19th, and 20th century repertory. Examination of style and structure and their impact on performance. Chamber music with piano, concerti, solo piano literature.

### **Music Pedagogy and Specialized Courses**

**MUS 219, 220 Foreign Language Diction** (1/1, F&S)  
Basic diction facility in English, Italian, German, French. Required of voice majors and concentrations (any curriculum); elective for others. Two class meetings per week.

**MUS 250 Music in Christian Perspective: An Introduction** (2, F)  
Introduction to music studies in the context of Christian worldview. Examination of Biblical, philosophical, and scientific bases for human creativity. Discussion of music's role in society and in the liberal arts context. Orientation to college-level work in music, including diagnostic examination of background knowledge.

**MUS 330 Keyboard Skills** (2, F or S)  
Functional piano class required of piano and organ majors and concentrations within music education curricula. Emphases: sight reading, harmonization, transposition, accompaniment, score reading, improvisation. Jury exam. Six hours weekly practice. Prerequisite: Piano level 237.

**MUS 356 Voice Pedagogy** (2, S)  
Methods of voice production and development as preparation for teaching; emphases on teaching and evaluation. Attention to proper selection of music. Two class hours per week; junior and senior year.

**MUS 477 Piano Pedagogy** (3, S)  
Preparation for teaching beginning & intermediate piano students. Study of beginning & intermediate piano methods and literature, including adult and preschool materials. Survey of professional organizations and publications for the private piano teacher and a study of the writings and teaching ideals of great piano pedagogues. Guidelines for development and maintenance of private piano studio. Practicum for teaching community students with presentation of a public recital at the end of the semester.

**MUS 470 Organ Pedagogy** (2, OD)  
Examination of teaching methods, materials, and technical approaches for the organ. Guided teaching in private and class settings. Required for organ performance majors.

MUS 191, 291, 391, 491 <b>Independent Study</b>	(1, 2, or 3)
MUS 395 <b>Special Topics</b>	(1-3, OD)
MUS 495 <b>Internship</b>	(3-6, OD)
<b>Music Theory</b>	
MTH 225 <b>Music Fundamentals Review</b>	(2, F)
Focused work in identification (aural and written) of intervals, scales, rhythms, chords and other basic materials of Western tonal music. Five class hours per week plus independent computer- and tutor-assisted instruction. Introduction to basic Finale (music notation) and MacGamut (aural/written theory skills) software. With MTH 226 satisfies Culture: Music.	
MTH 226 <b>Musicianship Development: Introduction to Tonality</b>	(2, F)
Continued exploration of the fundamentals covered in MTH 225 in the context of Western tonal musical repertoire. Emphasis on sight-singing, dictation and improvisation. Five class hours per week plus independent computer- and tutor-assisted instruction. Continued development of basic Finale and MacGamut skills. Prerequisite: MTH 225 or permission of instructor. With MTH 225 satisfies Culture: Music.	
MTH 227 <b>Basic Tonal Harmony</b>	(3, S)
Analysis, composition and basic arranging work using Western tonal harmony through secondary dominants. Continued development of Finale skills; introduction to basic Cakewalk (music sequencing) software. Prerequisite: MTH 226 or permission of instructor. Co-requisite: MTH 228 or permission of instructor.	
MTH 228 <b>Musicianship Development: Tonal Melody and Harmony</b>	(1, S)
Work in tonal sight-singing, ear training and dictation, through secondary dominants. Two class hours per week plus independent computer- and tutor-assisted instruction. Continued development of software skills. Co-requisite: MTH 227 or permission of instructor.	
MTH 325 <b>Advanced Tonal Harmony and Counterpoint</b>	(3, F)
Continuing analysis, composition and arranging work using Western tonal harmony through advanced chromaticism and eighteenth-century counterpoint. Continued development of software skills. Prerequisite: MTH 227; Co-requisite: MTH 326 or permission of instructor.	
MTH 326 <b>Musicianship Development: Advanced Tonality</b>	(1, F)
Continuing work in tonal sight-singing, ear training and dictation, through advanced chromaticism. Two class hours per week plus independent computer- and tutor-assisted instruction. Continued development of software skills. Co-requisite: MTH 325 or permission of instructor.	
MTH 327 <b>The World of Contemporary Music</b>	(4, S)
Western music of the twentieth and twenty-first centuries along with relevant materials from selected world music traditions. Development of aural, analytical, improvisational, compositional and arranging skills using these materials. Continued development of software skills. Prerequisite: MTH 226, 325.	
MTH 367 <b>Advanced Global Musicianship</b>	(2, F/S)
Capstone course of the theory sequence: Analysis, improvisation, composition, arranging and performance in a variety of Western, world and integrative musical idioms. Emphasis on structures and processes. Prerequisite: MTH 327.	
MTH 458 <b>Sixteenth Century Counterpoint</b>	(3, OD)
A study of the principles of counterpoint in western music with an emphasis on models from 16th century vocal polyphony. Analysis of repertoire, original compositions. Prerequisite: MTH 326 or permission.	
MTH 463 <b>Form and Analysis</b>	(3, F10)
Structural and harmonic analysis of musical form through simple and compound song form, variation, rondo, sonata forms. Contrapuntal forms of the invention, chorale prelude, fugue, canon. Study of the analysis techniques of Schenker, La Rue, and others.	
MTH 475 <b>Synthesizer/Computer Applications</b>	(3, OD)
Introduction to electronic musical aesthetics, synthesis, and MIDI techniques. Hands-on composition projects utilizing computers and synthesizers. Prerequisite: MTH 367, Elementary Composition and Orchestration (see Composition heading for course description), or permission of instructor.	