

## Music

<https://banner.stthomas.edu/pls/banner/prod/bwckschd>.

SPAN 491, 492 Research (2 credits)

SPAN 493, 494 Research (4 credits)

See the description of these courses at the beginning of the “Curricula” section of this catalog.

SPAN 495, 496 Individual Study (2 credits)

SPAN 497, 498 Individual Study (4 credits)

See the description of these courses at the beginning of the “Curricula” section of this catalog.

### Music (MUSC)

College of Arts and Sciences, Department of Music  
Brady Education Center (BEC) 09, (651) 962-5850

George (chair), Broeker, Bryan, Cornett-Murtada, Gleason, Gonzo, Johnson, Kachian, Orzolek, Schmalenberger, Trinkka; Allaire, Balder, Berget, Brudnoy, Budde, Cadwell, Davidson, Douglas, Faricy, Garvin, Gerth, Griffith, Haugen, Hauser, Itkin, Jenkins, Jensen, Jorstad, Kemperman, Keno, Knoll, Kogan, Kotulski, Lewis, Mensah, Morgan, Reed, Rinear, Schons, Schroepfer, Skaar, Strasser, Strusinski, Thygeson, Titus, Volpe, Zimmerman, Zocchi

The Mission of the University of St. Thomas Department of Music is to provide outstanding music instruction through our progressive curriculum; enable students to realize their full potential in the development of their musical, artistic and career goals; and instill ethical professional behavior. Our accomplished faculty offers musical and academic excellence while mentoring students in a creative environment, which enhances the cultural, spiritual and intellectual life of the university and community.

Students majoring in music take courses in six areas: performance studies, ensembles, music theory, musicology, music media, and conducting.

Through the study of music, students develop an aural comprehension of tonal and non-tonal music, an understanding of the harmonic language and voice-leading principles of the “common-practice” style, and an understanding of the musical vocabulary, analytical systems, and structural and formal principles that apply to music since 1600. Students develop the necessary skills to read orchestral scores and to write in standard musical notation for the instruments of the orchestra. Students develop the ability to understand a wide range of musical traditions and cultural practices, ranging from the western classical tradition to the music of selected non-western cultures to today’s popular music. Students will be able to discuss music critically, and will be prepared to engage in meaningful research in musical fields. Student performers will develop an expressive interpretation of solo repertoire through an understanding of compositional process and historical style with the necessary technical proficiency. Students will demonstrate advanced ensemble skills and contextual understandings of repertoire by artistically performing music representing a variety of genres, stylistic periods and cultures.

Transfer students must:

- take a theory placement test. This placement test should be taken at the beginning of the first semester of studies at UST. Review sheets and information on time and place of the placement test are available from the Music Department Office (651) 962-5850.
- file an Application for Major Field with the department chair.
- take at least one semester of music history at UST.
- pass the performance level audition.
- take at least four semesters of performance level lessons at UST.
- perform their final level recital at UST.
- take a minimum of four semesters of an appropriate ensemble.
- complete 32 of their last 36 credits at UST.

Students majoring in music may not have a letter grade lower than C- in a required music course.

For information concerning the department’s current policies and procedures, consult the *Handbook for Music Majors and Minors*, which is available in the department office.

The department offers minors for those students who have an interest in music, but do not wish to major in the field.

A variety of musical ensembles are available for instrumentalists and vocalists, regardless of major.

The department also offers a number of courses for non-majors that fulfill the Fine Arts, Human Diversity, and second-level Computer Competency components of the core curriculum.

The University of St. Thomas is fully accredited by the National Association of Schools of Music.

#### Major in Music – Performance (B.M.)

MUSC 001 Student Convocation Hour (0 credits) (6 semesters)

MUSC 140 Music Media (2 credits)

MUSC 113 Music Theory I (4 credits)

MUSC 114 Music Theory II (4 credits)

MUSC 131 Eurhythmics I (1 credit)

MUSC 133 Music of the United States: Aural and Written Traditions (4 credits)

MUSC 132 Eurhythmics II (1 credit)

MUSC 213 Music Theory III (4 credits)  
 MUSC 214 Music Theory IV (4 credits)  
 MUSC 231 Introduction to Conducting I (1 credit)  
 MUSC 232 Introduction to Conducting II (1 credit)  
 MUSC 233 Music of the World: Aural and Written Traditions (4 credits)  
 MUSC 340 Theory Elective (2 semesters) (2 credits per semester)  
 MUSC 411 History and Literature of Music I (4 credits)  
 MUSC 412 History and Literature of Music II (4 credits)  
 MUSC 420 Senior Research Paper (2 credits)  
 MUSN 1xx Eight semesters of Ensemble participation (0 credits)  
 Guidelines for choosing an ensemble:  
 If principal instrument is:  
 Piano - at least two semesters in MUSN 171; at least two semesters in MUSN 172; at least two semesters in one of: MUSN 143, 160, 181, 185, 186, 190; two semesters may be in 161, 182, 183.  
 Voice - voice majors must participate in a minimum of eight semesters in MUSN 140, 142, 143, or 160.  
 Woodwind, Brass or Percussion - at least eight semesters in MUSN 185 or 186.  
 Orchestral String - at least eight semesters in MUSN 181.  
 Guitar - at least six semesters in MUSN 173; at least two semesters in MUSN 174.  
 Other Instruments - at least eight semesters chosen from: MUSN 143, 160, 171, 172, 185, 190.  
 MUSP 102 or 103 Skills for piano Proficiency (0 credits)  
 MUSP 3xx Eight semesters of performance studies in the same performance medium (2 credits per semester)  
 MUSR 200 Piano Proficiency (0 credits)  
 MUSR 270 Level I Recital (0 credits)  
 MUSR 350 Level II Recital (0 credits)  
 MUSR 450 Level III Recital (0 credits)

*Plus:*

EDUC 308 Pedagogy and Literature for Music Performers I (2 credits)  
 EDUC 309 Pedagogy and Literature for Music Performers II (2 credits)

**Allied Requirements:**

PHYS 105 Musical Acoustics (4 credit hours)

**Music Education – Instrumental Music Education (K-12) (B.M.)**

*See Education*

**Music Education – Vocal Music Education (K-12) (B.M.)**

*See Education*

**Major in Music (B.A.)**

MUSC 001 Student Convocation Hour (0 credits) (6 semesters)  
 MUSC 113 Music Theory I (4 credits)  
 MUSC 114 Music Theory II (4 credits)  
 MUSC 131 Eurhythmics I (1 credit)  
 MUSC 132 Eurhythmics II (1 credit)  
 MUSC 140 Music Media (2 credits)  
 MUSC 213 Music Theory III (4 credits)  
 MUSC 214 Music Theory IV (4 credits)  
 MUSC 231 Introduction to Conducting I (1 credit)  
 MUSC 232 Introduction to Conducting II (1 credit)  
 MUSC 411 History and Literature of Music I (4 credits)  
 MUSC 412 History and Literature of Music II (4 credits)  
 MUSN 1xx Six semesters of Ensemble participation (0 credits)  
 Guidelines for choosing an ensemble:  
 If principal instrument is:  
 Piano - at least two semesters in MUSN 171; at least two semesters in MUSN 172; at least two semesters in one of: MUSN 143, 160, 181, 185, 186, 190; two semesters may be in MUSN 161, 182, 183.  
 Voice - a minimum of six semesters in MUSN 140, 142, 143, or 160.  
 Woodwind, Brass or Percussion - at least six semesters in MUSN 185 or 186  
 Orchestral String - at least six semesters in MUSN 181.  
 Guitar - at least four semesters in MUSN 173; at least two semesters in MUSN 174.  
 MUSP 102 or 103 Skills for Piano Proficiency (0 credits each)  
 MUSP 2xx Six semesters of performance studies in the same performance medium (1 credit per semester)  
 MUSR 200 Piano Proficiency (0 credit)  
 MUSR 270 Level I Recital (0 credit)  
 MUSR 350 Level II Recital (0 credit)

*Plus 8 credit hours selected from the following:*

## Music

MUSP 1xx Up to 2 credits on any secondary instrument or voice (1 or 2 credit hours)  
MUSP 101 Group Piano (1 credit)  
MUSP 108 Class Voice (1 credit)  
MUSC 133 Music of the United States: Aural and Written Traditions (4 credits)  
MUSC 160 Introduction to Music Business (4 credits)  
MUSC 216 Jazz in America (4 credits)  
MUSC 218 Black American Music: A Historical Survey (4 credits)  
MUSC 222 The Theology of American Popular Music (4 credits)  
MUSC 223 Arranging (2 credits)  
MUSC 224 Composition/Song Writing (2 credits)  
MUSC 233 Music of the World: Aural and Written Traditions (4 credits)  
MUSC 260 Fundamentals of Musicianship in Popular Music (4 credits)  
MUSC 281 Introduction to Accompanying (2 credits)  
MUSC 308 Pedagogy and Literature for Music Performers I (2 credits)  
MUSC 309 Pedagogy and Literature for Music Performers II (2 credits)  
MUSC 340 Theory Elective: Topics (2 credits)  
MUSC 354 Advanced Conducting and Materials: Instrumental Conc. (2 credits)  
MUSC 355 Advanced Conducting and Materials: Vocal Concentration (2 credits)  
MUSC 360 History of Music Industry and Music Careers (4 credits)

### Allied requirements

PHYS 105 Musical Acoustics (4 credits)  
Four credits in Art History or Theater

### Major in Music – Liturgical Music (B.A.)

Note: This concentration is available only to students whose principal instrument is voice, keyboard, guitar, or by special permission of the chair.

MUSC 001 Student Convocation Hour (6 semesters) (0 credits)  
MUSC 113 Music Theory I (4 credits)  
MUSC 114 Music Theory II (4 credits)  
MUSC 131 Eurhythmics I (1 credit)  
MUSC 132 Eurhythmics II (1 credit)  
MUSC 140 Music Media (2 credits)  
MUSC 213 Music Theory III (4 credits)  
MUSC 214 Music Theory IV (4 credits)  
MUSC 231 Introduction to Conducting I (1 credit)  
MUSC 232 Introduction to Conducting II (1 credit)  
MUSC 304 Hymnody (2 credits)  
MUSC 306 Psalms in Christian Worship (2 credits)  
MUSC 355 Advanced Conducting and Materials: Vocal Concentration (2 credits)  
MUSC 411 History and Literature of Music I (4 credits)  
MUSC 412 History and Literature of Music II (4 credits)  
MUSN 1xx Eight semesters of Ensemble participation (0 credits)

Guidelines for choosing an ensemble:

If principal instrument is:

Piano – one semester in MUSN 171; one semester in MUSN 172; six semesters in MUSN 143.

Voice – a minimum of six semesters in MUSN 143. The remaining two semesters may be in MUSN 140, 142, 143, or 160.

Guitar – Six semesters in MUSN 143 and two semesters in MUSN 173

Other – a minimum of six semesters in ensemble chosen by consultation with the chair.

MUSP 102 or 103 Skills for Piano Proficiency (0 credits each)  
MUSP 2xx Performance Studies (8 semesters) (1 credit each semester)  
MUSR 200 Piano Proficiency (0 credit)  
MUSR 270 Level I Recital (0 credit)  
MUSR 350 Level II Recital (0 credit)  
MUSR 450 Level III Recital (0 credit)

*Plus four semesters (if principal instrument is not voice) (1 credit each semester)*

MUSP 133 Voice: Elective

### Allied requirements

THEO 101 Christian Theological Tradition (4 credits)

*Plus four credits from the following:*

THEO 205 Old Testament (4 credits)

THEO 210 New Testament (4 credits)

*Plus four credits from the following:*

THEO 310 Christian Worship (4 credits)  
THEO 313 Christian Sacramentality (4 credits)

*Plus four credits from the following:*

THEO 356 Music and the Bible (4 credits)  
THEO 357 Sacred Music of the Catholic Heritage (4 credits)

*Plus:*

IDSC 478 Experiential Learning (4 credits)  
PHYS 105 Musical Acoustics (4 credits)

*Plus four credits from the following:*

ARTH 280 Sacred Architecture and Space (4 credits)  
ARTH 335 Cathedrals, Monasteries, and Caliphates (4 credits)  
ARTH 340 Southern Renaissance Art and Society (4 credits)  
ARTH 342 Renaissance and Reformation in Northern Europe (4 credits)

### **Major in Music Business (B.A.)**

MUSC 001 Student Convocation Hour (6 semesters) (0 credits)  
MUSC 113 Music Theory I (4 credits)  
MUSC 114 Music Theory II (4 credits)  
MUSC 131 Eurhythmics I (1 credit)  
MUSC 132 Eurhythmics 2 (1 credit)  
MUSC 133 Music of the United States: Aural and Written Traditions (4 credits)  
MUSC 140 Music Media (2 credits)  
MUSC 160 Introduction to Music Business (4 credits)  
MUSC 231 Introduction to Conducting I (1 credit)  
MUSC 233 Music of the World: Aural and Written Traditions (4 credits)  
MUSC 260 Fundamentals of Musicianship in Popular Music (4 credits)  
MUSC 360 History of Music Industry and Music Careers (4 credits)  
MUSC 480 Music Business Seminar (4 credits)  
MUSN 1xx Six semesters of Ensemble participation (0 credits)  
Guidelines for Choosing an Ensemble:  
If principal instrument is:  
Piano - at least two semesters in MUSN 171; at least two semesters in MUSN 172; at least two semesters in one of: MUSN 143, 160, 181, 185, 186, 190; two semesters may be in MUSN 161, 182, 183.  
Voice - a minimum of six semesters in MUSN 140, 142, 143, or 160.  
Woodwind, Brass or Percussion - at least six semesters in MUSN 185 or 186.  
Orchestral String - at least six semesters in MUSN 181.  
Guitar - at least four semesters in MUSN 173; at least two semesters in MUSN 174.  
Other Instruments - at least six semesters in ensemble chosen in consultation with the chair.  
MUSP 2xx Six semesters of performance studies in the same performance medium (1 credit per semester)  
MUSR 200 Piano Proficiency (0 credit)  
MUSR 270 Level I Recital (0 credit)  
MUSR 350 Level II Recital (0 credit)

### **Allied requirements**

ECON 252 Principles of Microeconomics (4 credits) (Social Analysis Core)  
IDSC 475-77 Experiential Learning: Music Business Internship (2-4 credits)  
PHYS 105 Musical Acoustics (4 credits) (Lab Science Core)

### *Business Courses:*

ACCT 210 Introduction to Financial Accounting (4 credits)  
BUSN 200 Business Learning Through Service (0 credits)  
FINC 300 Finance for Non-Business Majors (4 credits)  
MGMT 305 Management and Organizational Behavior (4 credits)  
MKTG 300 Principles of Marketing (4 credits)  
(additional business electives, for example advanced accounting, per student are optional)

*Plus one of the following:*

BETH 301 Business Ethics (4 credits)  
BLAW 301 Legal Environment of Business (4 credits)  
ENTR 300 Entrepreneurship for Non-Business Majors (4 credits)

### **Minor in Music**

MUSC 113 Music Theory I (4 credits)  
MUSC 114 Music Theory II (4 credits)  
MUSC 131 Eurhythmics I (1 credit)

## Music

MUSC 132 Eurhythmics II (1 credit)  
MUSN 1xx Four semesters of appropriate Ensemble for principal instrument (1 credit per semester)  
MUSP 1xx Four semesters of performance studies in same performance medium (1 credit per semester)  
MUSR 270 Level I Recital (0 credits)

*Plus four credits from the following:*

MUSC 411 History and Literature of Music I (4 credits)  
MUSC 412 History and Literature of Music II (4 credits)

*Plus four credits from the following:*

MUSC 216 Jazz in America (4 credits)  
MUSC 233 Music of the World: Aural and Written Traditions (4 credits)

### Minor in Recording Arts

MUSC 140 Music Media (2 credits)  
MUSC 160 Intro to MuBu (4 credits)  
MUSC 161 Elements of Popular Music (4 credits)  
MUSC 205 Advanced Studio Recording (4 credits)  
MUSC 206 Advanced Location Recording (4 credits)  
MUSC 224 Songwriting/Composition (2 credits)  
MUSC 305 The Art of Mixing (4 credits)

### Minor in Popular Music

The Minor in Popular Music is designed to provide students performance experiences in popular music combined with an understanding of theoretical analysis, popular music history and development, songwriting, instrumental composition, arranging, and techniques in live studio recording.

MUSC 161 Elements of Popular Music I (2 credits)  
MUSC 224 Songwriting/Composition (2 credits)  
MUSC 260 Fundamentals of Musicianship in Popular Music (4 credits)  
MUSC 261 Elements of Popular Music II (2 credits)  
MUSP 1xx Four semesters of performance studies (50-minute lessons) (1 credit per semester)  
MUSR 270 Level 1 Recital (0 credit)

*Plus eight credits from the following:*

MUSC 130 Introduction to World Music (4 credits)  
MUSC 140 Music Media (2 credits)  
MUSC 162 The Roots of Blues, Rock and Country Music (4 credits)  
MUSC 216 Jazz in America (4 credits)  
MUSC 217 Music of the Americas (4 credits)  
MUSC 218 Black American Music: A Historical Survey (4 credits)  
MUSC 219 Music in the United States (4 credits)  
MUSC 223 Arranging (2 credits)

*Plus four semesters in one or a combination of the following:*

MUSN 173 Guitar Ensemble (1 credit per semester)  
MUSN 175 Popular Music Ensemble (1 credit per semester)  
MUSN 182 Instrumental Jazz Ensemble (1 credit per semester)  
MUSN 183 Jazz Singers (1 credit per semester)

### Music Courses (MUSC)

#### MUSC 001 Student Convocation Hour (0 credit)

The student convocation hour is for all music majors regardless of specialization. This course meets three times per semester for each semester of enrollment and gives the community of learners performance opportunities, lectures/discussions on topics applicable to all music concentrations, and lecture/discussions on topics specific to each music concentration.

#### MUSC 113 Music Theory I (4 credits)

Basic materials and structures of music, approached through analysis and experience. This course is the first of a four-semester sequence that integrates sight-singing and ear-training with the analysis of harmony, form and contrapuntal procedures from the 16th through the 20th centuries. Assignments will include the development of compositional and arranging skills including those skills needed to write for the standard instruments of the wind ensemble and orchestra. Lecture plus 100 minutes laboratory per week. Offered fall semester.

#### MUSC 114 Music Theory II (4 credits)

Continuation of MUSC 113. Offered in spring semester.  
Prerequisite: MUSC 113 or successful placement test

#### MUSC 115 Understanding Music and Culture (4 credits) (MUSC 118, 119)

This survey course explores the classics of European and American music in their historical, cultural and social con-

texts. It will investigate the many ethnic, religious, political, philosophical, economic and scientific influences that have shaped these traditions. This course is designed to enable students, regardless of musical background, to increase their understanding of music. The listening skill and knowledge acquired will provide a foundation for students to become more critical and discerning listeners of music of all types. This course fulfills the Fine Arts requirement in the core curriculum.

NOTE: Students who receive credit for MUSC 115 may not receive credit for MUSC 118 or 119.

#### **MUSC 118 Understanding Music and Culture to 1850 (2 credits) (MUSC 115)**

The first half of MUSC 115, the general survey of music up to approximately 1850. This course partially fulfills the Fine Arts requirement in the core curriculum. Offered in January term.

NOTE: Students who receive credit for MUSC 118 may not receive credit for MUSC 115.

#### **MUSC 119 Understanding Music and Culture 1850 to Present (2 credits) (MUSC 115)**

The second half of MUSC 115, the general survey of music, beginning around 1850 and continuing the survey to the present. This course partially fulfills the Fine Arts requirement in the core curriculum. Offered in January term.

Prerequisite: MUSC 118

NOTE: Students who receive credit for MUSC 119 may not receive credit for MUSC 115.

#### **MUSC 120 Orchestral Literature (4 credits)**

This course presents an overview of orchestral and instrumental chamber music, combining a critical and historical study of music with the regular experience of hearing live music. The course includes preparation for seven Thursday evening concerts at venues such as Orchestra Hall and the Ordway and elsewhere as well as in-class presentations that address critical listening skills, musical performance, and the creative process. Thursday class meetings designated as concert attendance sessions will necessarily convene later than the regular campus meeting times posted. Students will be expected to purchase their own tickets for admission to all required concert events (student discount prices will be available), and to arrange for transportation to concerts as part of the "Lab Fees" for this course. This course fulfills the Fine Arts requirement in the core curriculum.

#### **MUSC 130 Introduction to World Music (4 credits)**

This course studies the phenomenon of music as an activity in people's lives. Students will be guided to think critically about music employing an anthropological and multicultural perspective. Models will be presented to provide a context in which music serves as part of larger social ritual. The music of selected cultures such as from Africa, the Middle East, China, Japan, India, Native American and American popular music in addition to European classical music will be covered. Designed for the non-major. This course fulfills the Fine Arts and the Human Diversity requirements in the core curriculum.

#### **MUSC 131 Eurhythmics I (1 credit)**

This course uses body movement to introduce and practice rhythmic/pitch skills and concepts. From aural and kinesthetic activities, students are led to music literacy and improvisation. Topics include the internalization of the beat, rhythm patterns, measure shapes, phrase shapes, asymmetric and mixed meters, counterpoint, and pitch related concepts. Offered fall semester.

Prerequisite: Concurrent Enrollment with MUSC 113

#### **MUSC 132 Eurhythmics II (1 credit)**

This course uses body movement to introduce and practice rhythmic/pitch skills and concepts. From aural and kinesthetic activities, students are led to music literacy and improvisation. Topics include the internalization of the beat, rhythm patterns, measure shapes, phrase shapes, asymmetric and mixed meters, counterpoint, and pitch related concepts. Offered spring semester.

Prerequisite: Concurrent enrollment with MUSC 114

#### **MUSC 133 Music of the United States: Aural and Written Traditions (4 credits)**

This course focuses on the study of U.S. music within its cultural context. The course, with its emphasis on listening, analysis, and vocabulary development will contain 1) music of aural traditions to include jazz, popular, and ethnic music and 2) music of written traditions to include art music and jazz.

#### **MUSC 140 Music Media (2 credits)**

This course will serve to introduce first semester freshmen music majors to software, hardware, techniques and issues surrounding digital music media. Learners will engage in the retrieval, generation, and distribution of musical notation, digital recordings, and MIDI sequences.

#### **MUSC 150 MIDI Studio (2 credits)**

Work with synthesizers and record the results with a Macintosh computer in a state-of-the-art MIDI studio. Special emphasis is placed on sequencing techniques and music editing on multi-track arrangements. Basic-to-advanced MIDI functions will be explained and utilized in team studio sessions.

#### **MUSC 160 Introduction to Music Business (4 credits)**

This course provides an overview of the music industry, exploring and examining aspects of technology, economics, industry structures, marketing, audiences, and artistic innovations and trends. Professionals from the field will serve as guest speakers and students will begin exploring personal career interests.

## Music

### MUSC 161 Elements of Popular Music I (2 credits)

This course will expose the student to the basic harmonic and rhythmic vocabulary used in popular music composition. Topics include: scale and chord construction, rhythm applications, and analysis of song form. Additionally, this course will contain ear training exercises designed for use in improvisation with the intent of providing the student with tools for musical composition.

### MUSC 162 The Roots of Blues, Rock and Country Music (4 credits)

This course examines the historical practices of these three important genres in American music by looking at their artistic and social functions in American society, their compositional intent, and the interactions between them.

### MUSC 176 German Diction for Singers (1 credit)

An introduction to German pronunciation, utilizing the International Phonetic Alphabet. A guide to the use of the dictionary in the language. Special emphasis on the problems encountered by the singer.

### MUSC 177 French Diction for Singers (1 credit)

An introduction to French pronunciation, utilizing the International Phonetic Alphabet. A guide to the use of the dictionary in the language. Special emphasis on the problems encountered by the singer.

### MUSC 205 Advanced Studio Recording (4 credits)

This course will explore advanced recording techniques in a studio environment. Students will learn how to best record, manage, and edit studio recording sessions and projects. This course will meet off campus; students are required to provide their own transportation.

Prerequisite: MUSC 140

### MUSC 206 Advanced Location Recording (4 credits)

This course will explore advanced recording techniques in a "live" or location context. Students will learn how to best record, manage, and edit a broad range of program material.

Prerequisite: MUSC 140

### MUSC 213 Theory III (4 credits)

Continuation of MUSC 114. Offered in fall semester.

Prerequisite: MUSC 114 or successful placement test

### MUSC 214 Music Theory IV (4 credits)

Continuation of MUSC 213. Offered in spring semester.

Prerequisite: MUSC 213 or successful placement test

### MUSC 216 Jazz in America (4 credits)

The origins and history of jazz in the United States. Various phases in the development of jazz style are discussed. Blues, ragtime, Dixieland, swing, bop, cool jazz, fusion, as well as other recent developments in jazz performances are investigated. An essential part of the course is the analysis and evaluation of recorded performances by outstanding jazz musicians. Designed for non-majors as well as an elective for music majors interested in jazz. Offered fall semester. This course fulfills the Fine Arts and Human Diversity requirements in the core curriculum.

### MUSC 217 Music of the Americas (4 credits)

A survey of music from the sixteenth century to the present as found in the Western hemisphere. Primarily concerned with the European influence brought by the various colonizing nations, some time is spent with the folk music of Canada, the United States and Latin America. Music of non-Western cultures are discussed as they relate to the native American and African-American influences in the New World. Designed for the non-major. This course fulfills the Fine Arts and Human Diversity requirements in the core curriculum.

### MUSC 218 Black American Music: A Historical Survey (4 credits)

An exploration of the components of Black American musical traditions from its West African and European roots to contemporary forms of expression in the United States. A primary goal of the course is to develop the student's understanding of how African Americans have used music to articulate issues of social justice, personal and community identity, and self-expression. In addition, students will learn to use musical terminology toward describing how a musical work, genre, or body of repertoire reflects significant historical events and perspectives of human societies past and present. Some coursework will require attendance at a variety of events and concerts off campus that relate to the course topics. This course fulfills the Fine Arts and Human Diversity requirements in the core curriculum.

### MUSC 219 Music in the United States (4 credits)

A survey of music heard in the United States from pre-Revolutionary days to the present, including discussions of the popular, folk and concert music. Particular emphasis will be given to forms of music which are distinctive to this country because of the diversity of its population. Designed for the non-major. This course fulfills the Fine Arts requirement in the core curriculum.

### MUSC 220 Digital Recording and Sampling (2 credits)

Recording music and sound effects into the Macintosh and combining the results with MIDI sequences will be covered in this course. Students will sample both live sounds and material from compact-disc libraries, then edit them

and finally place them alongside instrumental MIDI tracks. Subjects covered: digital recording theory and practice, digital media, evolution of digital technology, new equipment, musical applications.  
Prerequisite: MUSC 150

**MUSC 222 The Theology of American Popular Music (4 credits)**

An examination of contemporary popular American music (spirituals, blues, jazz, rock, pop, and hip-hop) and discussion of the theological and artistic implications of these styles and traditions. The course will place an emphasis on their dual nature as cultural products expressing political and physical liberation as well as road maps for specific theological and spiritual world views. This course fulfills the Fine Arts and Human Diversity requirements in the core curriculum.

**MUSC 223 Arranging (2 credits)**

The emphasis of this course is to introduce arranging concepts for instrumental and vocal applications. A basic overview of arranging materials (i.e. chord voicing, discussion of forms, music notation, ranges, vocal and instrumental differences, transpositions, rhythm section writing, and the construction of introductions and codas) will be covered. In addition, several scores will be discussed and analyzed. Offered alternate semesters to MUSC 140 Music Media.

Prerequisite: MUSC 161

**MUSC 224 Songwriting/Composition (2 credits)**

This course presents the basic principles related to the composition of popular vocal and instrumental forms: lyric, melody, progression, and rhythm. Applications of these elements in Rock, Pop, Jazz, Blues, Hip-Hop, Christian, and Country are explored.

**MUSC 231 Introduction to Conducting I (1 credit)**

This course includes basic conducting patterns and gestures, general knowledge of score types (choral, band, orchestral, etc.), score study and basic rehearsal planning. Practice in conducting small ensembles will be provided. Offered fall semester.

Prerequisite: Concurrent enrollment in MUSC 213

**MUSC 232 Introduction to Conducting II (1 credit)**

This course includes basic conducting patterns and gestures, general knowledge of score types (choral, band, orchestral, etc.), score study and basic rehearsal planning. Practice in conducting small ensembles will be provided. Offered spring semester.

Prerequisite: MUSC 231; Concurrent enrollment in MUSC 214

**MUSC 233 Music of the World: Aural and Written Traditions (4 credits)**

This course studies music as a ritual activity among the peoples of the non-Western world. It employs an anthropological approach that analyzes music in cultural context rather than as an object of art. The musical and cultural activities of a diverse number of countries will be investigated each semester.

**MUSC 240 Music/Audio Post Production (2 credits)**

Emphasis is placed on the creation of soundtracks for video. Source material will come from taped television broadcasts, commercial tapes and in-house video productions. Elements of synchronization (VITC, SMPTE) will be explored. Writing musical soundtracks for advertisements and programs, students will have the opportunity to lay-in sound effects and dialogue using the Macintosh computer and digital recording and sequencing software and hardware. This course partially fulfills the second-level Computer Competency requirement in the core curriculum. Offered in spring semester.

Prerequisite: MUSC 220

**MUSC 260 Fundamentals of Musicianship in Popular Music (4 credits)**

This course is designed to give the student a working knowledge of the skills required for popular music improvisation and performance. Study will include practical application of the rhythm, melody, and harmony of all styles of popular music. Genres that will be examined include: rock, blues, jazz, hip-hop, country and pop. This course is open to all instrumentalists and singers.

**MUSC 261 Elements of Popular Music II (2 credits)**

This course will explore both modal and diatonic melodic content, upper structure harmony, and chord voicing. Further analysis of compositional techniques including form and style as employed by rock, blues, jazz, country, hip-hop, and pop will also be discussed. Additionally, this course will contain ear training exercises designed for use in improvisation with the intent of providing the student with tools for musical composition.

Prerequisite: MUSC 161

**MUSC 281 Introduction to Accompanying (2 credits)**

This course focuses on topics related to the accompanying of singers and solo instrumentalists.

**MUSC 295, 296 Topics (2 credits)**

**MUSC 297, 298 Topics (4 credits)**

The subject matter of these courses will vary from year to year, but will not duplicate existing courses. Descriptions

## Music

of these courses are available in the Searchable Class Schedule on Murphy Online,  
<https://banner.stthomas.edu/pls/banner/prod/bwckschd>.

### **MUSC 303 Music Notation on Computer (2 credits)**

Develop skills in using music publishing software. Intended for composers, music educators, choral and instrumental conductors and anyone interested in producing print-quality music using the Macintosh or IBM.

### **MUSC 304 Hymnody (2 credits)**

Students will learn about the history of and current trends in hymns used in Christian worship, with particular emphasis on Roman Catholic worship. They will learn criteria for evaluating hymns in terms of musical quality, literary characteristics, theological content, and liturgical application. Students will also practice skills in leading hymns from the organ or piano.

Prerequisite: THEO 101, MUSC 113

### **MUSC 305 The Art of Mixing (4 credits)**

This course will be an in depth exploration of mixing music in a studio environment. Students will begin to master digital plug-ins such as equalization, reverb, delay, compression, and other advanced mixing techniques currently used in commercial music.

Prerequisite: MUSC 205

### **MUSC 306 Psalms in Christian Worship (2 credits)**

Students will learn about the literary forms and historical context of the Hebrew psalms. They will learn about the history of and present practices of the appropriation of psalms in Christian worship, with emphasis on liturgical application in the rites of the Roman Catholic church. Students will also develop practical skills in evaluating psalm settings for use in worship and in leading psalmody by singing and from the organ or piano.

Prerequisite: THEO 101, MUSC 113

### **MUSC 308 Pedagogy and Literature for Music Performers I (2 credits)**

Cross-listed with EDUC 308:

- Section 1: Voice
- Section 2: Keyboard
- Section 3: Guitar
- Section 4: Winds/Percussion/Brass

This class will survey methods and materials for performance studies. Discussions will include principles of technique, learning theories, musicianship, and performance based upon a wide and diverse body of literature. Students should sign up for the section number that corresponds with their primary area of performance.

### **MUSC 309 Pedagogy and Literature for Music Performers II (2 credits)**

Cross-listed with EDUC 309:

- Section 1: Voice
- Section 2: Keyboard
- Section 3: Guitar
- Section 4: Winds/Percussion/Brass

All 4 sections will meet concurrently.

A continuation of Pedagogy and Literature for Music Performers I, this class will survey methods and materials for performance studies. Discussions will include principles of technique, learning theories, musicianship, and performance based upon a wide and diverse body of literature. Students should sign up for the section number that corresponds with their primary area of performance.

Prerequisite: EDUC 308/MUSC 308

### **MUSC 335 Topics in World Music (2 credits)**

Each time this course is offered, it presents an in-depth survey of the music of a particular culture, exploring the music of: East India, Java, the Orient, Africa, the Middle East, Native Americans, *etc.*

### **MUSC 340 Theory Elective: Topics (2 credits)**

The subject matter of these courses will vary from year to year, but will not duplicate existing courses. Descriptions of these courses are available in the Searchable Class Schedule on Murphy Online,  
<https://banner.stthomas.edu/pls/banner/prod/bwckschd>.

### **MUSC 341 Theory Elective: Musicianship Pedagogy for Music Educator (2 credits)**

Study and practical application of historical pedagogic systems for teaching melody, rhythm, form, and harmony, using moveable-do tonic solfège and rhythm syllables. Analysis of small forms in pentatonic, diatonic, and modal systems. Rhythmic and melodic improvisation and composition in question-answer, strophic, ABA, rondo forms. Offered spring semester of odd numbered years.

### **MUSC 354 Advanced Conducting and Materials: Instrumental Concentration (2 credits)**

Advanced Conducting and Materials: Instrumental Concentration: Continuation of Introduction to Conducting I and II. Study of advanced conducting patterns and refined expressive gestures. Survey of orchestral and band literature and in-depth study of selected pieces. Rehearsal planning, rehearsal techniques, and classroom management.

Prerequisite: MUSC 232

**MUSC 355 Advanced Conducting and Materials: Vocal Concentration (2 credits)**

Continuation of Introduction to Conducting I and II. Study of advanced conducting patterns and refined expressive gestures. Survey of choral literature and in-depth study of selected pieces. Rehearsal planning, rehearsal techniques, and classroom management. Offered fall semester of even years.

Prerequisite: MUSC 232

**MUSC 360 History of Music Industry and Music Careers (4 credits)**

Focusing on Western music (classical, popular, jazz, rock, folk, and other genres), this course explores the historical context of the music industry from a social and cultural perspective, along with the career development and opportunities of professional musicians within it, from about 1600 to the present day.

Prerequisite: MUSC 160 or permission of instructor.

**MUSC 411 History and Literature of Music I (4 credits)**

A survey of Western European music to 1800: the medieval, Renaissance, Baroque and Classical periods. Historical development, social context, forms, styles and issues of expression are explored. Offered in fall semester.

**MUSC 412 History and Literature of Music II (4 credits)**

A survey of Western European music from 1800 to the present: the Romantic period and the twentieth century. This course includes traditional music of the world and selected American popular styles. Emphasis is on social context and issues of meaning and expression. Continuation of MUSC 411. This course fulfills the Fine Arts requirement in the core curriculum. Offered in spring semester.

**MUSC 416 Theory Elective: Orchestration (2 credits)**

Ranges, timbres, and performance characteristics of string, winds and percussion instruments in the western tradition. Scoring for small and large ensembles of such instruments.

Prerequisite: 200, 312

**MUSC 420 Senior Research Paper (2 credits)**

This course allows music students to demonstrate research and writing skills by utilizing standard music resources (Music Index, RILM, Grove, Baker's, etc.). The paper may contain theoretical analysis, and/or it may be connected to the student's performance area or degree focus

Prerequisite: MUSC 412.

**MUSC 475, 476 Experiential Learning (2 credits)**

**MUSC 477, 478 Experiential Learning (4 credits)**

See the description of these courses at the beginning of the "Curricula" section of this catalog.

**MUSC 480 Music Business Seminar (4 credits)**

A course involving individual research that is shared among the participants. Guest speakers from various areas of music business, the electronic media industries and arts management make presentations to the seminar, which is under the direction of a faculty coordinator. A major research project is required.

**MUSC 483, 484 Seminar (2 credits)**

**MUSC 485, 486 Seminar (4 credits)**

See the description of these courses at the beginning of the "Curricula" section of this catalog.

**MUSC 487, 488 Topics (2 credits)**

**MUSC 489, 490 Topics (4 credits)**

The subject matter of these courses will vary from year to year, but will not duplicate existing courses. Descriptions of these courses are available in the Searchable Class Schedule on Murphy Online,

<https://banner.stthomas.edu/pls/banner/prod/bwckschd>.

**MUSC 491, 492 Research (2 credits)**

**MUSC 493, 494 Research (4 credits)**

See the description of these courses at the beginning of the "Curricula" section of this catalog.

**MUSC 495, 496 Individual Study (2 credits)**

**MUSC 497, 498 Individual Study (4 credits)**

See the description of these courses at the beginning of the "Curricula" section of this catalog.

**Music Ensembles (MUSN)**

Membership in music ensembles is based upon a successful audition. Students may register for the same ensemble in as many semesters as desired.

The Fine Arts requirement may be fulfilled by four semesters of participation in one of the following ensembles: MUSN 140, 142, 143, 160, 185, 186. A total of four semesters in MUSN 142 and 160 or 185 and 186 will also fulfill the requirement. Other combinations must be approved by the department chair. There is no tuition charged for

## Music

ensemble registration.

See specific ensemble requirements for various music major emphases in the first part of the music section of this catalog, or consult the *Handbook for Music Majors and Minors* available from the Department of Music office. Music majors audit all ensembles.

### MUSN 140 Women's Choir (0-1 credit)

A vocal ensemble that explores the wide variety of secular and sacred repertoire composed for women's voices. Major performances are given each semester and may include exchange/joint concerts with other choirs. Two rehearsals a week. Membership by audition. Four semesters of participation fulfill the Fine Arts requirement in the core curriculum.

### MUSN 142 Chamber Singers (0-1 credit)

A mixed vocal ensemble of 30-40 members that will study and perform materials appropriate to the chamber ensemble; repertoire will include secular and sacred literature. Major performances are given each semester and may include exchange/joint concerts with other choirs. Three rehearsals per week. Membership by audition. Four semesters of participation fulfill the Fine Arts requirement in the core curriculum.

### MUSN 143 Liturgical Choir (0-1 credit)

Liturgical Choir is an ensemble of students of varied faith and cultural backgrounds that sings for services in the UST chapel. Local, regional and international tours are part of the choir's ministry as well as concert performances with other Music Department ensembles. Two rehearsals a week plus bi-weekly Sunday chapel liturgies. Membership by audition. Four semesters of participation fulfill the Fine Arts requirement in the core curriculum.

### MUSN 151 Schola Cantorum (0-1 credit)

This vocal ensemble focuses primarily on early Plainchant from the Gregorian chant tradition as well as contemporary chant repertoire. Historical and modern chant notations are studied and repertoire will be performed in the context of both liturgical service and concert. Membership by audition.

### MUSN 160 Concert Choir (0-1 credit)

A mixed vocal ensemble that performs a variety of secular and sacred repertoire from the Middle Ages to the 21<sup>st</sup> century. Choral literature performed includes unaccompanied works as well as works with professional chamber orchestra. Major performances are given each semester and may include exchange/joint concerts with other choirs. Tours locally, nationally and internationally. Three rehearsals a week. Membership by audition. Four semesters of participation fulfill the Fine Arts requirement in the core curriculum.

### MUSN 161 String Ensemble (0-1 credit)

Ensemble meets weekly and are conducted by a member of the string faculty. Membership by audition.

### MUSN 162 Flute Ensembles (0-1 credit)

Formation of trios, quartets and other small ensembles, dependent upon personnel available. Ensembles may include piccolo, soprano flutes, alto flute and bass flute. Ensembles meet once a week and are coached by a member of the woodwind faculty. Membership by audition.

### MUSN 163 Clarinet Ensembles (0-1 credit)

Formation of small ensembles involving various members of the clarinet family. Ensembles meet once a week and are coached by a member of the woodwind faculty. Membership by audition.

### MUSN 164 Saxophone Ensembles (0-1 credit)

Formation of small ensembles involving various members of the saxophone family. Ensembles meet once a week and are coached by a member of the woodwind faculty. Membership by audition.

### MUSN 165 Chamber Wind Ensemble (0-1 credit)

Formation of mixed woodwinds, brass and percussion. Ensembles meet once a week and are conducted by a member of the faculty. Membership by audition.

### MUSN 166 Brass Choir (0-1 credit)

Formation of small and large ensembles using only brass and sometimes percussion instruments. The choir, directed by a member of the brass faculty, gives regularly scheduled public performances. Membership by audition.

### MUSN 167 Percussion Ensembles (0-1 credit)

A variety of mallet and stick instruments are used to form these ensembles. Ensembles meet once a week and are coached by a member of the percussion faculty. Membership by audition.

### MUSN 169 African Music Ensemble (0-1 credit)

This course provides a non-Western music performance experience. The repertoire to be studied includes traditional genres such as Adowa, Agbadza, Gota, Kpanlogo, Boboobo, and includes contemporary compositions. Three main areas in the ensemble are drumming, flutes and vocal. No prior experience is necessary for this ensemble. An audition is required.

**MUSN 170 Handbell Choir (0-1 credit)**

This instrumental ensemble performs with both English and Dutch handbells. Repertoire consists of arrangements for two to five octaves from a variety of musical periods and styles as well as music composed specifically for the expanding contemporary handbell literature. Performances include monthly appearances in chapel liturgical settings as well as regular campus and public performances. No previous handbell experience necessary but ability to read music is required. Membership by audition or permission of instructor.

**MUSN 171 Piano Ensembles (0-1 credit)**

Study and performance of duets and two-piano music. One major performance per semester. Membership by audition.

**MUSN 172 Accompanying Ensembles (0-1 credit)**

Qualified pianists have the opportunity to accompany solo vocalists and solo instrumentalists through individual instruction. Membership by audition.

**MUSN 173 Guitar Ensemble (0-1 credit)**

Study, performance and recording of music for multiple guitars and bass from Renaissance through twentieth-century composers including American jazz and rock styles. Repertoire includes original works, transcriptions, and arrangements. Opportunities provided for students to learn improvisation, composition, and arrangement.

**MUSN 174 Guitar Small Ensemble (0-1 credit)**

The study and performance of all styles of music for guitar and diverse instruments, including bass and drums. At least one major performance per semester.

**MUSN 175 Popular Music Ensemble (0-1 credit)**

This course provides individual coaching for small ensembles on the performance of all genres and types of American popular music. Students taking this course must be either currently enrolled or have completed MUSN 173.

**MUSN 181 Orchestra (0-1 credit)**

Study and performance of music from early Baroque through contemporary. Basic orchestral performance skills and player responsibilities are discussed for ensemble playing. Four major performances a year. Membership by audition.

**MUSN 182 Instrumental Jazz Ensemble (0-1 credit)**

Study and performance of instrumental jazz in various styles with exposure to improvisation. Formal concert is presented each semester, and informal campus appearances occur on a regular basis. Membership by audition.

**MUSN 183 Jazz Singers (0-1 credit)**

Study and performance of vocal jazz in various styles. Group is limited in size, thus allowing each member to develop independence in singing and microphone technique. Membership by audition.

**MUSN 185 Symphonic Band (0-1 credit)**

Study and performance of original works for wind-band; transcriptions, manuscripts, and solo repertoire with band accompaniment. Two rehearsals per week; regular series of concerts, tours. Private lessons recommended. Membership by audition. Four semesters of participation fulfill the Fine Arts requirement in the core curriculum.

**MUSN 186 Symphonic Wind Ensemble (0-1 credit)**

This course is designed for the advanced woodwind, brass and percussion student. A select group of approximately forty musicians studies and performs music primarily written for the symphonic wind ensemble genre. Literature studied and performed comes from a diversity of cultures and style periods. The Wind Ensemble gives public performances on a regular basis throughout the school year including regional, national and international tours. Meets two times a week. Membership by audition. Four semesters of participation fulfill the Fine Arts requirement in the core curriculum.

**MUSN 190 Music Theater Production (0-1 credit)**

Musical and dramatic preparation of a musical show or opera, leading to complete performance with costumes, set and orchestra. Participation by audition.

**MUSN 191 Music Theater Scenes (0-1 credit)**

Musical and dramatic preparation of scenes from musical shows or operas. An informal performance may be presented. Participation by audition.

**MUSN 196 Topics Ensembles (0-1 credit)**

The ensemble(s) will be announced in the annual Class Schedule. Content will vary but will not duplicate existing ensembles.

**Performance Studies (MUSP)**

Performance studies are generally on an individual basis, although some group lessons are available.

## Music

A course fee is charged for all performance studies, based on the length of the lesson.

### *Elective Level*

Performance studies on the elective level are available for all students. No audition is required for elective studies. These courses are designed for non-majors who are interested in beginning or continuing study on an instrument or voice. Students wishing to study piano, having little or no previous study on the instrument, are encouraged to register for group lessons. 30-minute or 50-minute lessons. Twelve lessons are scheduled each semester. A minimum of six hours a week practice is required. These courses must be taken for credit. They cannot be audited. Performance studies do not fulfill the Fine Arts requirement.

### **MUSP 101 Group Piano (1 credit)**

This course is designed for students who have little or no piano background. The small group setting includes work on keyboard technique, reading music, transposing, improvising, playing by ear and harmonizing melodies. Groups are limited to six students and meet for an hour each week. This course may be repeated.

### **MUSP 102 Skills for Piano Proficiency (non-piano majors) (0 credit)**

This course teaches the skills required for the piano proficiency exam, which include basic keyboard technique, sight-reading, basic accompanying, transposing and harmonizing melodies. Students whose principal instrument is other than piano are required to enroll in this course.

Prerequisite: Music major with principal instrument other than piano.

### **MUSP 103 Skills for Piano Proficiency (piano majors) (0 credit)**

This course is similar to MUSP 102, but designed for the piano proficiency exam required of music majors whose principal instrument is piano.

### **MUSP 108 Class Voice (1 credit)**

Designed for non-music majors who wish to study voice and also for non-vocal music majors who wish to develop their singing in a class situation.

### **MUSP 110 Digital Music Lessons (1 credit)**

These lessons focus on Hard-Disk Recording and MIDI-Sequencing and are designed with the modern musician in mind. Each week students witness the demonstration of professional recording techniques in one of the UST computerized recording studios. Then they apply their new skills to original compositions in scheduled studio sessions. Some of the subjects covered: Multi-tracking, Automation, Groove Quantizing, Harmonizing, Music Notation, and miking. Students may have their choice of MIDI-controllers: guitar, keyboard, or drum-machine pads.

Prerequisite: Basic computer and music-making skills

### **MUSP 121 Harpsichord: elective (1 credit)**

### **MUSP 122 Lute: elective (1 credit)**

### **MUSP 128 Recorder: elective (1 credit)**

### **MUSP 131 Piano: elective (1 credit)**

### **MUSP 133 Voice: elective (1 credit)**

### **MUSP 135 Organ: elective (1 credit)**

### **MUSP 136 Flute: elective (1 credit)**

### **MUSP 137 Oboe: elective (1 credit)**

### **MUSP 138 Clarinet: elective (1 credit)**

### **MUSP 139 Bassoon: elective (1 credit)**

### **MUSP 141 Saxophone: elective (1 credit)**

### **MUSP 144 Trumpet: elective (1 credit)**

### **MUSP 145 French horn: elective (1 credit)**

### **MUSP 146 Trombone: elective (1 credit)**

### **MUSP 147 Euphonium: elective (1 credit)**

### **MUSP 148 Tuba: elective (1 credit)**

### **MUSP 149 Percussion: elective (1 credit)**

**MUSP 152 Jazz/Pop Vocal: elective (1 credit)**

Covers techniques for communicative lyric singing, including repertoire from different eras of the American music spectrum. Considers stage presence, microphone technique, vocal inflection and communication with an accompanist or rhythm section. Improvisation may also be explored.

**MUSP 153 Jazz Piano: elective (1 credit)**

Individual studies with a jazz pianist, developing jazz style and working on improvisation.

Prerequisite: Some facility on the piano.

**MUSP 154 Violin: elective (1 credit)****MUSP 155 Viola: elective (1 credit)****MUSP 156 Cello: elective (1 credit)****MUSP 157 Double Bass: elective (1 credit)****MUSP 158 Guitar: elective (1 credit)**

Students will study all styles of music including classical, blues, rock, folk and others on acoustic, nylon and electric guitars. Topics include all forms of notation (standard, tab, chord symbols, etc.), improvisation and performance practice.

**MUSP 159 Harp: elective (1 credit)****MUSP 165 Music Composition (1 credit)**

The course aims at developing the student's own imagination and musical style, as well as providing studies for the developing of technical and notational skills. Individual guidance and group meetings. Half-hour sessions.

Prerequisite: MUSC 114 and permission of instructor

**MUSP 168 African Drumming: elective (1 credit)**

Study the art and techniques of both hand and stick drumming in West African traditions. Covers a wide variety of repertoire (Agbadza, Kpanlogo, Adowa, Gota, *etc.*), including those performed by the African Music Ensemble.

**MUSP 187 Electric Guitar: elective (1 credit)**

Students will study basic to advanced plectrum and fingerstyle techniques as they apply to the amplified guitar. Other topics will include fretboard theory, improvisation, ensemble performance practice and current technologies in amplification and MIDI applications. Repertoire will include all American popular music styles .

**MUSP 188 Flamenco Guitar: elective (1 credit)**

Students will study the techniques involved in picado, arpeggio, tremolo, and rasqueado. The course includes intensive study of various rhythms and styles including Sevillanas, Soleareas, Alegrias, Siguiryas, Tango, Bulerias, Tiento, *etc.*, and an introduction to basic flamenco dance and song accompaniment. Students will learn about the Gypsy and Moorish influences on the history of this artform.

*Performance Level*

Performance studies at the performance level are required of music majors on their principal instrument. Students pursuing major in music, music business, or liturgical music should register for 2xx level lessons. Students pursuing a major in music education or performance should register for 3xx level lessons. An audition before the music faculty is required for performance-level studies. Qualified non-majors also may audition. Twelve 50-minute lessons are scheduled each semester. A minimum of 12 hours a week practice is required. These lessons provide an in-depth study of representative literature for the instrument. Juries and recitals are required of all students taking performance-level studies. See the current Handbook for Music Students.

**MUSP 221 Harpsichord: performance (1 credit)****MUSP 231 Piano: performance (1 credit)****MUSP 233 Voice: performance (1 credit)****MUSP 235 Organ: performance (1 credit)****MUSP 236 Flute: performance (1 credit)****MUSP 237 Oboe: performance (1 credit)****MUSP 238 Clarinet: performance (1 credit)****MUSP 239 Bassoon: performance (1 credit)****MUSP 241 Saxophone: performance (1 credit)****MUSP 244 Trumpet: performance (1 credit)**

## Music

- MUSP 245 French horn: performance (1 credit)  
 MUSP 246 Trombone: performance (1 credit)  
 MUSP 247 Euphonium: performance (1 credit)  
 MUSP 248 Tuba: performance (1 credit)  
 MUSP 249 Percussion: performance (1 credit)  
 MUSP 254 Violin: performance (1 credit)  
 MUSP 255 Viola: performance (1 credit)  
 MUSP 256 Cello: performance (1 credit)  
 MUSP 257 Double Bass: performance (1 credit)  
 MUSP 258 Guitar: performance (1 credit)  
 MUSP 259 Harp: performance (1 credit)  
 MUSP 321 Harpsichord: performance (2 credits)  
 MUSP 331 Piano: performance (2 credits)  
 MUSP 333 Voice: performance (2 credits)  
 MUSP 335 Organ: performance (2 credits)  
 MUSP 336 Flute: performance (2 credits)  
 MUSP 337 Oboe: performance (2 credits)  
 MUSP 338 Clarinet: performance (2 credits)  
 MUSP 339 Bassoon: performance (2 credits)  
 MUSP 341 Saxophone: performance (2 credits)  
 MUSP 344 Trumpet: performance (2 credits)  
 MUSP 345 French horn: performance (2 credits)  
 MUSP 346 Trombone: performance (2 credits)  
 MUSP 347 Euphonium: performance (2 credits)  
 MUSP 348 Tuba: performance (2 credits)  
 MUSP 349 Percussion: performance (2 credits)  
 MUSP 354 Violin: performance (2 credits)  
 MUSP 355 Viola: performance (2 credits)  
 MUSP 356 Cello: performance (2 credits)  
 MUSP 357 Double Bass: performance (2 credits)  
 MUSP 358 Guitar: performance (2 credits)

### Music Proficiencies and Recitals (MUSR)

Piano proficiency is required in all of the major emphases.

Recitals are required in all major emphases and in some minor emphases.

Recitals and proficiencies carry no course credit. All MUSR courses are graded on an S-R basis.

#### MUSR 200 Piano Proficiency (0 credit)

Required of all majors, piano proficiency should be completed by the end of the second year of study. See the *Handbook for Music Students* for specific details of the proficiency examination.

#### MUSR 270 Level I Recital (0 credit)

A Level I recital can be given in any semester. It requires a minimum of 15 minutes of music. A student performing at this level usually will be presented on a program with two or three other students.

**MUSR 350 Level II Recital (0 credit)**

A Level II recital can be given in any semester. It requires a minimum of 25 minutes of music. Students performing at this level usually will be presented with one or two other students in the recital.

Prerequisite: MUSR 270

**MUSR 400 Festival Orchestra Honors Concert (0 credit)**

This concert is presented in the spring semester. Professional musicians from the Twin Cities area are hired to form the orchestra, and students are auditioned in December to perform vocal or instrumental music that originally was intended to be presented with orchestra. Festival Orchestra auditions are open to all full-time St. Thomas undergraduate students and graduate students currently enrolled in performance studies. See the Handbook for Music Students for details.

**MUSR 450 Level III Recital (0 credit)**

A Level III recital usually is given in the last semester of the student's work. This is a solo recital and requires a minimum of 45 minutes of music.

Prerequisite: MUSR 350

**Neuroscience**

College of Arts and Sciences, Interdisciplinary Program  
John Roach Center for the Liberal Arts (JRC) LL56, (651) 962-5030  
Johnson (PSYC); Kay (BIOL), Robinson-Riegler (PSYC)

Neuroscience is an interdisciplinary major that focuses on understanding nervous systems, neural processing, thought, and behavior. Training in neuroscience requires a broad foundation in both the natural sciences and in psychology. The major requires students to complete foundational courses in biology and psychology, and allows students flexibility at the upper level by encouraging further specialization in either discipline, or developing a broader perspective by taking a breadth of allied electives. Students completing this major should be well-prepared for graduate study in neuroscience or in related disciplines.

**Neuroscience Honor Society**

*Nu Rbo Psi*, the national Neuroscience Honor Society encourages professional interest and excellence in scholarship, particularly in neuroscience. The St. Thomas chapter was established in 2007. Students who have a 3.2 or higher overall grade point average and a 3.5 or higher grade point average in PSYC 204, PSYC 322 and PSYC 401 are eligible to apply. For more information, go to [www.stthomas.edu/psychology/studentresources/nurhopsi](http://www.stthomas.edu/psychology/studentresources/nurhopsi).

**Major in Neuroscience (B.S.)**

*Required Foundational Courses (8 courses, 32 credits):*

- BIOL 201 Diversity & Adaptation (4 credits)
- BIOL 202 Genetics Evolution and Ecology (4 credits)
- CHEM 111 General Chemistry I (4 credits) *and* CHEM 112 General Chemistry II (4 credits)  
*or* CHEM 115 Accelerated General Chemistry (4 credits)
- CHEM 201 Organic Chemistry 1 (4 credits)
- IDTH 220 Statistics 1 (4 credits)
- MATH 113 Calculus 1 (4 credits) *or* MATH 109 Calculus with review II (4 credits)
- PSYC 111 General Psychology (4 credits)

*Plus Neuroscience Core Courses (4 courses, 16 credits):*

*Required courses:*

- BIOL 204 Cellular and Molecular Biology (4 credits)
- PSYC 212 Research Methods (4 credits)

*Plus eight credits from the following:*

- BIOL 330 Animal Behavior (4 credits)
- BIOL 354 Neurobiology (4 credits)
- PSYC 401 Physiological Psychology (4 credits)

*Plus Electives (6 courses, 24 credits):*

Students should, in consultation with their adviser, choose six additional elective courses that reflect the students' academic or professional goals. Students must take at least two courses from each of the biology and psychology lists.

Biology Electives:

- BIOL 330 Animal Behavior (4 credits)
- BIOL 349 Anatomy & Physiology I (4 credits)
- BIOL 354 Neurobiology (4 credits)
- BIOL 360 Genetics (4 credits)
- BIOL 371 Cell Biology (4 credits)
- BIOL 463 Immunology (4 credits)