MATH 321 Geometry (3)  
*Fall, Even*  
This course covers geometric transformations, advanced Euclidian geometry, non-Euclidian geometries, projective geometry, and Foundations of geometry. Prerequisite: MATH 210.

MATH 341 Numerical Analysis (3)  
*Fall, Odd*  
This course examines solutions of non-linear equations, systems of equations, and differential equations. Other topics include interpolation, approximation, and numerical integration. Prerequisites: MATH 210 and CPSC 112.

MATH 351 Probability and Statistics (3)  
*Spring*  
This course examines discrete and continuous probability distributions, mathematical expectations, moment generating functions, multivariate distributions, estimation, hypothesis testing, regression, and correlation. Prerequisites: MATH 112; MATH 211 recommended.

MATH 370 Topics in Advanced Mathematics (3)  
*Varies*  
This course focuses on an advanced topic in mathematics determined by student demand. Possible topics include number theory, complex variables, measure theory, point-set topology, and second courses in abstract algebra, real analysis, and probability and statistics. Prerequisite: junior or senior standing in the mathematics program.

MATH 380 Secondary Mathematics Methods (3)  
*Fall, Even*  
This course deals with methods and materials of teaching mathematics in grades 9-12. Students study topics such as instructional strategies, objectives and planning, individual difference, problem solving, content and organization, curriculum trends, teaching aids, evaluating, and professional organizations. Note: Due to overlap in course content, credit cannot be earned for both MATH 290 and MATH 380. Prerequisites: admission to the teacher education program and at least 12 hours in mathematics.

MATH 381 Methods & Strategies for Teaching Probability & Statistics (1)  
*Varies*  
This course focuses on issues of pedagogy and technology used in the teaching and learning of probability and statistics. Students will be expected to design a unit plan, daily lessons, and projects that address statistical concepts and use appropriate technological tools and a variety of classroom learning environments. Prerequisites: completion of or concurrent enrollment in MATH 151 or 351. Completion of and/or concurrent enrollment in EDUC 380 and/or Mathematics 380 is recommended.

MATH 399 Independent Study (1)  
*Fall, Spring*  
Topics are selected from students’ major interests. Prerequisite: permission of department.

MATH 400 Field Education (2)  
*Fall, Spring*  

MATH 401 Senior Seminar (1)  
*Fall*  
This seminar provides an opportunity for students to reflect on the concepts, contextual, foundational, and worldview issues, and applications studied in past coursework. The seminar emphasizes how these issues will impact their lives beyond the College. Presentations, both in-class and off-campus, attended by students and made by students, are a key component of the course. Prerequisites: senior class standing and prior completion of at least six required courses in the major (excluding cognate course requirements).

MUSC 111 Introduction to Music Literature (3)  
*Fall*  
This course introduces the basic materials of music and an overview of the most important forms, styles, and composers of Western music, with an emphasis on intelligent listening. This course is a prerequisite for MUSC 311, 312, and 313. Fulfills the fine arts requirement.

MUSC 199 Guitar Class (1)  
*Fall, Odd*  
Group instruction on guitar for beginners for one hour of credit.

MUSC 200 Class Piano (1)  
*Fall, Even*  
An introduction to basic keyboard facility in a group setting. This course is designed to help students to learn to play major and minor scales and basic harmonic progressions in major and minor keys. Required of all music majors; can be fulfilled by passing a keyboard proficiency test.

MUSC 201 Music Theory I (3)  
*Varies*  
This course is an introduction to the structures and fundamental materials of music, including intervals, scales, keys, and chord structures. Emphasis is placed on the study and analysis of music of the 17th-19th centuries. Prerequisite: MUSC 111 or permission of instructor.

MUSC 203 Music Theory II (3)  
*Varies*  
This course continues the study of the structures and materials of music, including harmonic analysis, figured bass, non-harmonic tones, and cadences. Prerequisite: MUSC 201.

MUSC 204 Music Theory III (3)  
*Varies*  
This course is a study of music theory focusing on eighteenth-century counterpoint, chromatic harmony, and
This course introduces the techniques of conducting a musical ensemble, including the study of manual technique, musical interpretation, and score preparation. The course also provides an introduction to strategies for rehearsal planning and score preparation for leading a musical ensemble. Prerequisite: MUSC 201 and membership in an ensemble, or permission of instructor.

MUSC 252 World Music – CCS (3)

Spring
This course studies music in cultures outside the mainstream of North American and western European traditions, including Native American, African, African-American, Eastern European, Indian, Asian, and Latin-American cultures and traditions. Fulfills one of the cross-cultural studies Foundations requirements. Required of all music education majors.

MUSC 260 Being a Musician (3)

Fall, Odd
This course explores foundational concepts of living and working as a musician from the perspective of Christian calling and vocation. In addition, the course provides fundamental training in applied musicianship (including solfege, sight singing, dictation, and basic conducting), as well as practical skills for musicians (such as practice skills, stage manner, finding scores and recordings, and copyright law as it applies to music). Students will also explore career options and employment opportunities in music.

MUSC 261 Reading and Writing about Music (3)

Fall, Even
This course explores foundational concepts of Christian scholarship as applied to the study of music history, with particular focus on studying history, on reading, and on writing. The course also provides fundamental training in music research, including finding and evaluating sources, using sources effectively, documenting sources, and writing about music.

MUSC 307 Music Theory IV: Materials of Music (3)

Spring, Odd
This course provides training in three closely related fields of study: analysis, composition, and orchestration. It provides an exploration of the creative process, through analysis and original composition, based on an integrated understanding of the fundamental elements of music (melody, harmony, rhythm, texture, form, scoring). It likewise provides a study of formal organization in music, encompassing not only the major patterns of musical structure but also the means by which these patterns are formed and broken. Related topics include issues in aesthetics and the creative process. Prerequisite: MUSC 204.

MUSC 331 Introduction to Conducting (3)

Fall, Even
This course introduces the techniques of conducting a musical ensemble, including the study of manual technique, musical interpretation, and score preparation. The course also provides an introduction to strategies for rehearsal planning and score preparation for leading a musical ensemble. Prerequisite: MUSC 201 and membership in an ensemble, or permission of instructor.

MUSC 360 Music Performance Seminar (3)

Spring, Even
Building on MUSC 260 Being a Musician, MUSC 360 continues to explore living and working as a musician from the perspective of Christian calling and vocation with particular attention to select topics in music performance. Students will explore topics through both scholarship and practical music performance. Topics may include historically informed performance, advanced conducting, creating music in community, or topics in music literature (by genre, style period, geographic region, etc.). Prerequisite: MUSC 260.

MUSC 361 Music History Seminar (3)

Spring, Odd
Building on MUSC 261, Reading and Writing about Music, MUSC 361, continues to explore key concepts of Christian scholarship as applied to the study of a focused topic in music history. Students will continue to practice and refine their skills of music research and writing as applied to the seminar’s topic. Topics may include particular composers, style periods, geographic regions, or framing ideas. Prerequisite: MUSC 261.

MUSC 399 Independent Study (1)

Fall, Spring
Topics are selected from qualified students’ major interests. Prerequisite: permission of the department.

MUSC 400 Field Education (1-3)

Fall, Spring, Summer
Fulfillment of the field education requirement is determined by the music department for each graduating music major. Music education majors fulfill the requirement by student-teaching. Recitals fulfill the requirements for music performance majors. The music department makes individual assignments to general music majors for fulfillment of the requirement.

MUSC 401 Music Capstone Seminar (3)

Varies
This course serves as a capstone course to draw together and build upon previous Foundations, cognate, and music courses in applying a Christian worldview to the discipline of music. Students will analyze and articulate a Christian worldview as it applies to music, further develop their thinking about music in biblical perspective, and apply a Christian worldview to a particular topic or repertoire. MUSC 401 fulfills the capstone component of the Foundations curriculum for music majors. Prerequisites: Junior standing. Completion of or concurrent enrollment with MUSC 260 and 261.

PRIVATE LESSONS

MUSC 121 Piano Lessons I (1)
Private instruction in applied piano. Students may take one half-hour lesson per week for one hour of credit (MUSC 121) or one hour-long session per week for two hours of credit (MUSC 221). Applied music fee required.
MUSC 122 Organ Lessons I (1)
Private instruction in applied organ. Students may take one half-hour lesson per week for one hour of credit (MUSC 122) or one hour-long session per week for two hours of credit (MUSC 222). Applied music fee required.

MUSC 123 Voice Lessons I (1)
Private instruction in applied voice. Students may take one half-hour lesson per week for one hour of credit (MUSC 123) or one hour-long session per week for two hours of credit (MUSC 223). Applied music fee required.

MUSC 124 String Lessons I (1)
Private instruction on violin, viola, cello, or guitar. Students may take one half-hour lesson per week for one hour of credit (MUSC 124) or one hour-long lesson per week for two hours of credit (MUSC 224). Applied music fee required.

MUSC 125 Woodwind Lessons I (1)
Private instruction on flute, clarinet, oboe, saxophone, or bassoon, by special arrangement with the music department. Students may take one half-hour lesson per week for one hour of credit (MUSC 125) or one hour-long lesson per week for two hours of credit (MUSC 225). Applied music fee required.

MUSC 126 Brass Lessons I (1)
Private instruction on trumpet, trombone, horn, or tuba by special arrangement with the music department. Students may take one half-hour lesson per week for one hour of credit (MUSC 126) or one hour-long lesson per week for two hours of credit (MUSC 226). Applied music fee required.

MUSC 127 Percussion Lessons I (1)
Private instruction on percussion by special arrangement with the music department. Students may take one half-hour lesson per week for one hour of credit (MUSC 127) or one hour-long lesson per week for two hours of credit (MUSC 227). Applied music fee required.

MUSC 128 Composition Lessons I (1)
Private instruction in music composition. Students may take one half-hour lesson per week for one hour of credit (MUSC 128) or one hour-long session per week for two hours of credit (MUSC 228). Applied music fee required.

MUSC 221 Piano Lessons II (2)
Private instruction in applied piano. Students may take one half-hour lesson per week for one hour of credit (MUSC 121) or one hour-long session per week for two hours of credit (MUSC 221). Applied music fee required.

MUSC 222 Organ Lessons II (2)
Private instruction in applied organ. Students may take one half-hour lesson per week for one hour of credit (MUSC 122) or one hour-long session per week for two hours of credit (MUSC 222). Applied music fee required.

MUSC 223 Voice Lessons II (2)
Private instruction in applied voice. Students may take one half-hour lesson per week for one hour of credit (MUSC 23) or one hour-long session per week for two hours of credit (MUSC 223). Applied music fee required.

MUSC 224 String Lessons II (2)
Private instruction on violin, viola, cello, or guitar. Students may take one half-hour lesson per week for one hour of credit (MUSC 124) or one hour-long lesson per week for two hours of credit (MUSC 224). Applied music fee required.

MUSC 225 Woodwind Lessons II (2)
Private instruction on flute, clarinet, oboe, saxophone, or bassoon, by special arrangement with the music department. Students may take one half-hour lesson per week for one hour of credit (MUSC 125) or one hour-long lesson per week for two hours of credit (MUSC 225). Applied music fee required.

MUSC 226 Brass Lessons II (2)
Private instruction on trumpet, trombone, horn, or tuba by special arrangement with the music department. Students may take one half-hour lesson per week for one hour of credit (MUSC 126) or one hour-long lesson per week for two hours of credit (MUSC 226). Applied music fee required.

MUSC 227 Percussion Lessons II (2)
Private instruction on percussion by special arrangement with the music department. Students may take one half-hour lesson per week for one hour of credit (MUSC 127) or one hour-long session per week for two hours of credit (MUSC 227). Applied music fee required.

MUSC 228 Composition Lessons II (2)
Private instruction in music composition. Students may take one half-hour lesson per week for one hour of credit (MUSC 128) or one hour-long session per week for two hours of credit (MUSC 228). Applied music fee required.

ENSEMBLES

MUSC 131 Concert Choir (1)
Fall, Spring
Students study and perform a variety of choral literature. The choir is open to students who successfully complete an audition with the director. Previous singing experience and good sight reading skills are expected of Concert Choir members. The choir performs a major concert and several church services each semester, and tours annually.

MUSC 132 Wind Ensemble (1)
Fall, Spring
The study and performance of instrumental music literature. The course is open to players of woodwind, brass, and percussion instruments.
MUSC 133 Honors Ensemble (1)
Fall, Spring
The members of this select vocal ensemble are chosen by competitive audition and are recipients of the Janet De Maa Ozinga Memorial Scholarship. Members are required to sing in Concert Choir.

MUSC 135 Masterworks Chorale (1)
Varies
A choral ensemble open to students, alumni, and community singers who successfully complete an audition with the director. The group performs significant choral literature in one major concert each semester.

MUSC 136 Jazz Ensemble (1)
Fall, Spring
An ensemble devoted to the study and performance of historic and contemporary jazz instrumental music, including Dixieland, ragtime, blues, and swing/big band arrangements. Prerequisite: membership in wind ensemble or permission of instructor.

MUSC 138 Gospel Choir (1)
Fall, Spring
Students study and perform representative choral literature from the African-American gospel tradition. Open to all students. No audition required.

MUSC 139 Brass Quintet (1)
Fall, Spring
Students study and perform representative brass literature. The course is open to all students who successfully complete an audition with the director. This course provides extensive performance opportunities in concerts, churches, and community events. Members are required to participate in wind ensemble.

MUSC 140 Southwest Symphony (1)
Fall, Spring
This ensemble is a regional orchestra that rehearses and performs on Trinity’s campus. Open to Trinity instrumentalists who successfully complete an audition with the director.

MUSC 142 Chamber Music (1)
Fall, Spring
An ensemble dedicated to the study and performance of chamber music literature. MUSC 142 is required each semester for students receiving a music leadership scholarship for strings, piano, or organ. The ensemble, however, is open to all instrumentalists and to singers. Membership is by audition with the instructor.

NURS 205 Concepts of Health Care and Nursing (3)
Fall
An exploration of the nature, scope, and conceptual foundations of health care and nursing. Introduces students to the major concepts of the nursing program: caring, self care, and care management. Required of nursing majors; to be taken at Trinity prior to admission to the nursing program; for sophomore level nursing majors only. Other students with the consent of the nursing department.

NURS 221 Nutrition (2)
Fall, Spring
This course is an introduction to basic principles of nutrition for optimal health throughout the lifespan. Strategies will be identified to teach clients appropriate nutritional practices in multicultural settings. Dietary management of clients with self care deficits related to nutrition will be explored. Open to other majors and may be required for certain majors.

NURS 308 Health Assessment and Promotion (3)
Spring
This course develops skills in health assessment and health promotion across the life span. Students will learn to conduct physical, psychosocial, cultural, and spiritual assessments and to identify clients at risk. The course emphasizes use of these data in health promotion and education. Includes experience in laboratory and community settings. Prerequisite: NURS 205.

NURS 309 Therapeutic Nursing Intervention (2)
Fall
This course develops skill in the therapeutic nursing interventions essential for caring, self care, and care management. Prerequisites: All nursing prerequisites, including NURS 205, NURS 221, NURS 308.

NURS 310 Pharmacology (3)
Fall
Students study drug classifications, interactions, and interrelationships as used in the treatment of well and ill clients. Nursing implications are emphasized. Prerequisites: All nursing prerequisites, including NURS 205, NURS 221, NURS 308.

NURS 312 Pathophysiology (3)
Fall
Students study pathophysiological mechanisms related to disease. Adaptive responses are emphasized. Prerequisites: All nursing prerequisites, including NURS 205, NURS 221, NURS 308.

NURS 313 Adult Health Nursing I (5)
Fall
This course applies caring, self-care, and care management principles in nursing practice with the adult client seeking to maintain health. Clinical practice component in selected hospitals and community settings. Prerequisites: All nursing prerequisites. All nursing prerequisites, including NURS 205, NURS 221, NURS 308. Two hours of clinical credit.