

## MUSIC

PROFESSORS SPICE, GAYLARD  
ASSOCIATE PROFESSOR KOLMAN  
INSTRUCTOR WILLIAMSON

### MAJOR

The **music** major leading to a Bachelor of Arts degree is designed to meet the needs not only of students who have an interest in a career in music but also for those who plan to follow careers in fields such as business, law, or education. The major requires 44 credits as follows:

1. Music 131, 132, 161, 162, 261, 262, and 423
2. Six credits chosen from Music 395, 396, 397
3. Nine credits chosen from ensemble (108-114) or applied music (141-143, 241-243, 341-343, 441-443)
4. Six additional credits chosen from 141-143, 220, 231, 232, 233, 241-243, 331, 332, 341-343, 361, 362, 441-443

**Note:** Limits of eight credits in ensemble courses (Music 108-114) and of nine credits for non-majors and 12 credits for majors from applied music courses (Music 141-143, 241-243, 341-343, 441-443) allowable toward a degree. Credits taken in excess of these limits will be treated as repeats of the earliest unrepeatable credit of each kind. A fee is charged for applied music; music majors are entitled to take one applied music course per term without charge.

*HONORS: An Honors Program in music is offered for qualified students; see department head for details.*

### MUSIC 100 (3)—Fundamentals of Music Theory

Students are introduced to the practical aspects of musical performance through the study of scales, intervals, keys, chords, conventional meters and rhythm and basic ear training. Not open to students already qualified for Music 161. *Kolman.*

*Spring*

### MUSIC 101 (1)—Fundamentals of Voice Production

*Prerequisite: Permission of the instructor.* Introduction to correct vocal production through proper breathing, vowel placement, enunciation, projection, and phrasing. *Williamson.*

*Spring*

### MUSIC 108 (1)—Supervised Piano Accompanying

*Prerequisite: Permission of the instructor.* A practical course in the skills of piano accompaniment including sight reading, score reading, study of style, methods of expression, transposition, and rehearsal techniques. Students are expected to accompany solo vocalists and instrumentalists, play in chamber ensembles or accompany the University choruses. A faculty member is assigned to coach and tutor the student. This course may be repeated. *Gaylard.*

*Fall, Winter, Spring*

### MUSIC 109 (1)—University Chorus

*Prerequisite: Permission of the instructor.* This course may be repeated. *Williamson.*

*Fall, Winter*

### MUSIC 110 (1)—University Chamber Singers

*Prerequisite: Permission of the instructor.* This course may be repeated. *Spice.*

*Fall, Winter*

### MUSIC 112 (1)—Chamber Ensembles

*Prerequisite: Permission of the instructor.* This course may be repeated. Small chamber groups consisting of vocalists and instrumentalists are created to perform music from various historical periods. During fall and winter terms students must be enrolled in orchestra or wind ensemble to participate in chamber ensembles. *Staff.*

*Fall, Winter, Spring*

### MUSIC 113 (1)—University Wind Ensemble

*Prerequisite: Permission of the instructor.* This course may be repeated. The University Wind Ensemble consists of wind and percussion players who perform band repertoire in concerts on and off campus. *Kolman.*

*Fall, Winter*

### MUSIC 114 (1)—University-Shenandoah Symphony Orchestra

*Prerequisite: Permission of the instructor.* This course may be repeated. Students who play an orchestral instrument may join the U-SSO which is comprised of university students as well as residents of the community. *Kolman.*

*Fall, Winter*

### MUSIC 117 (1)—Fundamentals of Conducting

*Prerequisites: Music 161 and 162 or permission of the instructor.* A course designed to acquaint the student with the fundamental elements of conducting technique, such as beat patterns, cueing, gestures of expression and dynamics, transposition techniques, and score reading. *Kolman.*

*Spring*

### ★MUSIC 120 (3)—Introduction to Music

Development of musical understanding and enjoyment through acquiring skills in listening to music. Emphasis is placed upon learning to hear, to recognize, and to relate the various elements of music. *Gaylard, Spice.*

*Fall, Winter*

### ★MUSIC 131 (3)—Music History I

(Alternate years)

*Prerequisite: Music major or permission of the instructor.* A survey of music from the Middle Ages through the Baroque period. *Spice.*

*Fall*

### ★MUSIC 132 (3)—Music History II

(Alternate years)

*Prerequisite: Music major or permission of the instructor.* A survey of music from the Classical period to the present. *Spice.*

*Winter*

**Note:** A limit of nine credits for non-majors and 12 credits for majors in applied music courses (140's, 240's, 340's, 440's) is allowable toward a degree. Available in brass, percussion, piano, strings, voice, woodwinds. A fee is charged for applied music. A music major is entitled to one applied music course per term without charge. Special departmental permission is required for students wanting two-credit applied music courses.

**MUSIC 141 (1-2), 142 (1-2), 143 (1)—Applied Music**

*Prerequisite: Permission of the instructor; seniors must have permission of the department head.* One credit is earned for a one-half hour private lesson and a minimum of five hours practice a week during fall and winter terms; a one hour private lesson and a minimum of 10 hours practice a week are required during the spring term. A two-credit course requires double the lesson and practice time. *Staff.*

*Fall, Winter, Spring*

**★MUSIC 161 (4)—Music Theory I**

*Prerequisite: Music major or permission of the instructor.* Study of scales, modes, chord progressions; harmonic analysis from the common practice period and aural skills. *Kolman.*

*Fall*

**★MUSIC 162 (4)—Music Theory II**

*Prerequisite: Music 161.* A continuation of Music 161, including the writing and analysis of musical progressions and the study of chromatic harmony. *Kolman.*

*Winter*

**★MUSIC 220 (3)—Music in the United States, 1607-1945**

(Alternate years)

A study of musical styles in America from the time of the first settlers. Topics include Puritan psalms, patriotic music, songs of the Civil War, spirituals, black and white gospel, blues, ragtime, jazz, musical comedy, popular song and various trends in Classical music from the Moravians to the avant-garde. The course will cover major works by Ives, Gershwin, Copland, and Ellington. *Gaylard.*

*Fall*

**★[MUSIC 231 (3)—Classical Music]**

(Fall 1998 and alternate years)

Stylistic study of music of the last half of the 18th century. Concentration on the symphonies, sonatas, concertos, chamber music and operas of Haydn, Mozart, and Beethoven. *Gaylard.*

**★MUSIC 232 (3)—Romantic Music**

Topics in the 19th century including the symphony, the concerto, the symphonic poem, program music, piano music, nationalism, song and opera. Composers such as Beethoven, Brahms, Chopin, Tchaikovsky, Wagner, and Mahler will be covered. *Gaylard.*

*Winter*

**★MUSIC 233 (3)—Introduction to 20th-Century Music**

*Prerequisite: Permission of the instructor.* A study and comparison of the various styles and composers of contemporary art music from 1912 to the present. *Staff.*

*Winter*

**MUSIC 241 (1-2), 242 (1-2), 243 (1)—Applied Music**

*Prerequisite: Permission of the instructor.* One credit is earned for a one-half hour private lesson and a minimum of five hours practice a week during fall and winter terms; a one hour private lesson and a minimum of 10 hours practice a week are required during the spring term. A two-credit course requires double the lesson and practice time. *Staff.*

*Fall, Winter, Spring*

**★MUSIC 261 (3)—Counterpoint and Composition**

*Prerequisite: Music 162.* An intensive study of 18th-century counterpoint, harmonic analysis and the planning and writing of an original composition. *Staff.*

*Fall*

**★MUSIC 262 (3)—20th-Century Theory and Composition**

*Prerequisite: Music 261.* The study and analysis of 20th-century harmonic treatment. Composition study will result in the production of two short pieces or one longer piece. *Staff.*

*Winter*

**★[MUSIC 331 (3)—Renaissance Music]**

(Fall 1998 and alternate years)

A study of trends in musical style of the 15th and 16th centuries. The course will trace the development of the mass, motet, chanson, madrigal, and instrumental forms. Other topics include the effects of courtly life, musical printing, the Reformation, and the Counter-Reformation upon the role of music in Renaissance society. *Spice.*

**★[MUSIC 332 (3)—Baroque Music]**

(Winter 1999 and alternate years)

Stylistic study of music from 1600 through 1750, Monteverdi through Bach and Handel. The instrumental and vocal compositions of various European locales and composers are examined chronologically. *Spice.*

**MUSIC 341 (1-2), 342 (1-2), 343 (1)—Applied Music**

*Prerequisite: Permission of the instructor.* One credit is earned for a one-half hour private lesson and a minimum of five hours practice a week during the fall and winter terms; a one hour private lesson and a minimum of 10 hours practice a week are required during the spring term. A two-credit course requires double the lesson and practice time. *Staff.*

*Fall, Winter, Spring*

**MUSIC 361 (3)—Advanced Composition I**

*Prerequisite: Music 262.* Study of composition to include expanding harmonic vocabulary and achieving rhythmic and metric flexibility and variety. *Staff.*

*Fall*

**MUSIC 362 (3)—Advanced Composition II**

*Prerequisite: Music 361.* Study includes writing idiomatically for the instruments; writing for voice and setting text properly; and achieving varying textural and timbral usages. In addition, students try different styles of contemporary writing in order to find the one that suits them best. *Staff.*

*Winter*

**★MUSIC 374 (6)—Supervised Study in Europe**

(Alternate years)

*Prerequisite: Permission of the instructor.* A seminar in the music and culture of selected European musical centers. For 1998, the seminar will be held in London, England. *Spice.*

*Spring*

**★MUSIC 395 (3)—Seminar: Literature and Style of Instrumental Music**

*Prerequisite: Permission of the instructor.* May be repeated for degree credit with permission and if the topics are different. *Gaylard.*

*Spring*

**★MUSIC 396 (3)—Seminar: Literature and Style of Vocal Music**

*Prerequisite: Permission of the instructor.* May be repeated for degree credit with permission and if the topics are different. *Spice.*

*Spring*

**★MUSIC 397 (3)—Seminar: Topics in Composition-Related Techniques**

*Prerequisite: Permission of the instructor.* Topics will change from year to year and include orchestration, notation, electronic music and scholarly or compositional participation in Sonoklect, the new music festival. May be repeated for degree credit with permission and if the topics are different. *Staff.*

*Spring*

**MUSIC 423 (3)—Directed Individual Project**

*Prerequisite: Music major and permission of the instructor.* May be repeated for degree credit with permission. *Staff.*

*Fall, Winter*

**MUSIC 441 (1-2), 442 (1-2), 443 (1)—Applied Music**

*Prerequisite: Permission of the instructor.* One credit is earned for a one-half hour private lesson and a minimum of five hours practice a week during the fall and winter terms; a one hour private lesson and a minimum of 10 hours practice a week are required during the spring term. A two-credit course requires double the lesson and practice time. *Staff.*

*Fall, Winter, Spring*

**MUSIC 493 (3-3)—Honors Thesis**

*Fall-Winter*

**NEUROSCIENCE**

PROFESSOR JARRARD\*

A major in **neuroscience** leading to a Bachelor of Science degree requires the completion of at least the following 50 credits:

1. Biology 112, 215, 220; Chemistry 241, 242; Neuroscience 120, 395; Psychology 111, 180, 253
2. either Biology 250 or 365
3. either Psychology 255 or 257
3. At least nine credits chosen from the following:
  - Biology 422, 423, 424, 425, 426, 492-496
  - Chemistry 421, 422, 423, 433, 436, 439, 471, 472, 473, 493
  - Computer Science 251 (Engineering 251)
  - Psychology 353, 355, 357, 431, 432, 433, 473, 493

Additional courses required as prerequisites for completion of the above include Chemistry 111 and 112.

Students contemplating application to graduate programs or medical school should note that Chemistry 244 (Biochemistry), Mathematics 102 (Calculus II), and Physics 109 (General Physics II) are either required or highly recommended by most admissions committees.

Neuroscience courses are as follows; for course descriptions, see the appropriate departmental listings:

- Biology 112—General Biology II
- Biology 215—Cell and Molecular Biology
- Biology 220—Genetics
- Biology 250—Vertebrate Endocrinology
- Biology 365—Developmental Biology
- Biology 422-426—Directed Individual Research
- Biology 492-496—Honors Thesis
- Chemistry 241—Organic Chemistry I
- Chemistry 242—Organic Chemistry II
- Chemistry 421-423—Directed Individual Research
- Chemistry 433-439—Tutorial
- Chemistry 471-473—Senior Thesis
- Chemistry 493—Honors Thesis
- Computer Science 251—Laboratory Computer Applications
- Engineering 251—Laboratory Computer Applications
- Neuroscience 120—Introduction to Neuroscience
- Neuroscience 395—Special Topics in Neuroscience
- Psychology 111—Brain and Behavior
- Psychology 180—Research Design and Analysis
- Psychology 253—Physiological Psychology
- Psychology 255—Human Neuropsychology
- Psychology 257—Developmental Psychobiology
- Psychology 353—Directed Research in Physiological Psychology
- Psychology 355—Directed Research in Human Neuropsychology
- Psychology 357—Directed Research in Developmental Psychobiology
- Psychology 431-433—Tutorials in Psychology
- Psychology 493—Honors Thesis

\*Head of Neuroscience Program Advisory Committee