MUST 1220. Introduction to Music Technology. 4 Hours.
Provides students with instruction in the use of a computer for composing original music. Topics include MIDI sequencing, digital audio processing, and sound synthesis. Students use music hardware and software to complete a variety of projects.

MUST 1301. Introduction to Composition. 4 Hours.
Designed as the first step in the education of a student composer. The art and craft of composing music is grounded in knowledge of fundamental concepts and hands-on experience. Offers students an opportunity to acquire competence in the notation and layout of a score; develop basic compositional skills (control of melody, harmony, rhythm); and obtain a wide and deep knowledge of the musical repertory.

MUST 1990. Elective. 1-4 Hours.
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

MUST 2320. Sound Design. 4 Hours.
Instructs students in the art of producing and designing musical accompaniments for a variety of media including film, TV commercials, industrial video, animation, games, theatre, and radio drama. Focuses on abstract thinking regarding sound theory and practice and includes hands-on skills. Restricted to music majors and combined majors; all other students require permission of instructor.

MUST 2431. Computer Music Fundamentals. 4 Hours.
Focuses on the creation and implementation of standard time-domain audio synthesis routines and effects, as well as standard frequency-domain processing routines. MaxMSP is the principal programming environment used in the course. Begins with programming protocols, as well as data structures and storage, and list processing in the MaxMSP environment before moving on to standard synthesis and audio processing routines. Examines how the techniques learned in the course can be applied using a variety of synthesis and spectral processing software applications that are standard in the field.

MUST 2990. Elective. 1-4 Hours.
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

MUST 3421. Digital Audio Processing. 4 Hours.
Comprises the theory and application of digital audio processing techniques. Includes multitrack digital recording, sampling and sample processing, and encoding audio for various delivery formats.

MUST 3422. Music Composition Seminar 2. 4 Hours.
Exposes students to methods of musical composition. Requires students to compose several short pieces and one piece in a large form on their own. Analyzes examples from the literature to facilitate understanding the methods employed.

MUST 3540. Special Topics in Music Technology. 1-4 Hours.
Focuses on topics related to current trends in the area of music technology. Topics vary with each offering. May be repeated without limit.

MUST 3990. Elective. 1-4 Hours.
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

MUST 4520. Interactive Music Programming. 4 Hours.
Focuses on three high-end skills: advanced software-based synthesis and production, abstract reasoning and computer programming, and performing live with electronic instruments in an interactive human-computer environment. Utilizes the MAX programming language, enhanced with MSP, a set of extensions to the MAX graphical programming environment that provides for real-time synthesis and signal processing with a PowerPC Mac OS computer.

MUST 4610. Composition for Electronic Instruments. 4 Hours.
Instructs students in the composition of original music for electronic and computer-based instrumentation. Students create music to accompany video, animation, and film, and study suitable methods for creating original music for the Internet. Also surveys examples of music written for similar contexts.

MUST 4611. Music Technology Capstone/Senior Recital. 4 Hours.
Instructs students in the preparation and presentation of their senior recital. Fulfills the college's experiential education requirement for music technology concentrators.

MUST 4990. Elective. 1-4 Hours.
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

MUST 5540. Special Topics in Music Technology. 3,4 Hours.
Focuses on various topics related to music technology. May be repeated up to two times.