

MSTC - MUSIC TECHNOLOGY (MSTC)

MSTC 101 Introduction to Performance Technology

Credits 3. 3 Lecture Hours. 1 Lab Hour. Basic hardware, software, and aesthetic concepts of technology-based artistic performance; basic electricity, electronics, troubleshooting, audio and video design software, study of significant works, and participation in a production.

MSTC 150 History of Electronic Music

Credits 3. 3 Lecture Hours. Historical survey of electronic music, including key technological advancements, people and musical works; exploration of electronic music from different genres and countries.

MSTC 221 Fixed Media Composition

Credits 3. 3 Lecture Hours. 1 Lab Hour. Creation of music using digital audio workstation software; critical listening and analysis of music literature; application of technical and aesthetic concepts of digital audio, types of signal processing, and composition. **Prerequisites:** MSTC 101 or approval of instructor.

MSTC 223 Recording and the Producer

Credits 3. 3 Lecture Hours. Tools and techniques of studio recording; the studio as compositional tool; recorded literature examining the creative and ideological impact of the producer; recording projects applying course techniques and exploring aesthetic concepts. **Prerequisites:** Grade of C or better in MSTC 221.

MSTC 224 Composing Commercial Music

Credits 3. 3 Lecture Hours. Creation of music in a commercial production context; technical and business concepts including synchronization, rights, licensing, distribution, and related roles in the music industry; analysis of existing music and application of course techniques in creating new music. **Prerequisites:** MSTC 223 or approval of instructor.

MSTC 311 Technology-Based Performance

Credits 1 to 3. 1 to 3 Lecture Hours. Performance using technology as the primary basis for musical structure; study of technology-based music literature and performance techniques; presentation in live or mediated formats. May be taken eight times for credit. **Prerequisites:** MSTC 101; junior or senior classification or approval of instructor.

MSTC 341 Programming for Composers

Credits 3. 3 Lecture Hours. Overview of how to make music by programming a computer; creation of applications, control interfaces, instruments, and intelligent agents for digital signal processing, interactivity, generative art, and multimedia; no programming experience required. **Prerequisites:** MSTC 221; junior or senior classification or approval of instructor.

MSTC 352 Electronic Music Literature through Practice

Credits 3. 3 Lecture Hours. Study of a selected body of electronic music literature by applying their techniques to create new music; critical listening, musical analysis, consideration of historical context, and application of techniques observed in the selected literature. May be taken four times for credit. **Prerequisites:** MSTC 221; junior or senior classification or approval of instructor.

MSTC 354 The Recording Medium

Credits 3. 3 Lecture Hours. Overview of how to make music by studying a selected medium and its signature advantages, limitations, and the literature exploring them; musical and historical analysis; application of these concepts in new compositions. May be taken four times for credit. **Prerequisites:** MSTC 221; junior or senior classification or approval of instructor.

MSTC 417 Intermedia Performance

Credits 3. 3 Lecture Hours. Composition and performance of music using technology to cross boundaries across media, disciplines, and other modes of expression and experience; intermedia literature, theory, aesthetics, and techniques in constructing, composing, and presenting intermedia art in real-time encounters, live or mediated. **Prerequisites:** MSTC 221; junior or senior classification or approval of instructor.

MSTC 489 Special Topics In...

Credits 1 to 4. 1 to 4 Other Hours. Special topics in an identified area of music technology. May be repeated for credit. **Prerequisites:** Junior or senior classification or approval of instructor.