

B.S. Dual Major for Computer Science and Music Technology

Revision of June 11, 2006

This degree program requires 138 SH

The College of Computer and Information Science and the Department of Music reserve the right to modify the curriculum described in this document or the individual courses as necessary in the future.

Computer Science
(44 or 45 SH: 10 @ 4 SH, 4 or 5 @ 1 SH)
<i>Required Computer Science Courses (24 or 25 SH)</i>
CS U200 Discrete Structures & CS U201 (0 SH)
CS U211 Fund of Computer Science 1 & CS U212 (1 SH)
CS U213 Fund of Computer Science 2 & CS U214 (1 SH)
CS U221 CS/IS Overview 1 (1 SH)
CS U222 CS/IS Overview 2 (1 SH)
or
CS U223 CS/IS Co-op Preparation (1 SH)
CS U370 Object-Oriented Design
CS U430 Database Design
CS U600 Senior Seminar (1 SH)
<i>Integrative Course (4 SH)</i>
IS U570 Human-Computer Interaction
<i>CS Elective Requirements (16 SH)</i>
CS Elective 1
CS Elective 2
CS Elective 3
CS Elective 4
<i>CS elective: CS U380 or higher or IS U535</i>
English Requirements (8 SH: 2 @ 4 SH)
ENG U111 College Writing
ENG U302 Adv Writing in the Technical Professions
<i>With permission, may substitute ENG U301 for ENG U302</i>
A&S Core Requirements (20 SH: 5 @ 4 SH)
<i>Category II: Methods of Inquiry</i>
PHL U215 Symbolic Logic (<i>required</i>)
PSY U101 Foundations of Psychology (<i>recommended</i>)
<i>Category III: Diversity</i>
Choose 1
<i>Category IV: Historical, Ethical, Aesthetic</i>
Choose 1
<i>Category V: Analysis</i>
SOC U528 Computers and Society (<i>required</i>)
General Electives (8 SH: 2 @ 4 SH)
Elective 1
Elective 2
<i>The Core curriculum courses and general electives must be consistent with the policy on general electives articulated by the College of Computer and Information Science in the Student Guidebook and on the college web site.</i>

Music Technology (58 SH: 13 @ 4 SH, 6 @ 1 SH)
<i>Music Theory (14 SH)</i>
MUS U201 Music Theory 1
MUS U241 Musicianship 1 (1 SH)
MUS U202 Music Theory 2
MUS U242 Musicianship 2 (1 SH)
MUS U308 Principles of Music Literature
<i>Music History (4 SH)</i>
MUS U315 History of Electronic Music
<i>Music Technology (16 SH)</i>
MUS U220 Music and Technology 1
MUS U221 Music and Technology 2
MUS U421 Digital Audio Processing
MUS U520 Interactive Real-Time Performance
<i>Electronic Composition and Performance (8 SH)</i>
MUS U610 Composition for Electronic Instruments
MUS U611 Music Technology Capstone / Recital
<i>Integrative Course (4 SH)</i>
MUS U320 Sound Design
<i>Music Lessons (4 Required @ 1 SH)</i>
<i>Complete 4 composition lessons</i>
MUS U903 Composition Lessons (1 SH)
<i>Music Elective Requirements (8 SH)</i>
<i>Choose 2 courses from:</i>
MUS U233 Music Production for Radio and Web
MUS U699 Advanced Television Production
MUS U303 Music Theory 3
MUS U304 Music Theory 4
MUS U311 Historical Tradition 1: America
MUS U312 Historical Tradition 2: Classical
MUS U313 Historical Tradition 3: World
MUS U420 Music Composition
MMS U305 Programming for Multimedia
<i>MUS U303 is a prerequisite for MUS U304 or MUS U420.</i>
<i>MUS U311 is a prerequisite for MUS U312 or MUS U313.</i>