

**B.S. Dual Major for Computer Science and Music Technology (286BS)  
For Students Entering in Fall 2008 or Spring 2009**

Revision of June 23, 2008

*This degree program requires 139 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.

<b>Computer Science</b>
<b>(49 or 50 SH: 11 @ 4 SH, 5 or 6 @ 1 SH)</b>
<i>Required Computer Science Courses (36 or 37 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 U290 Logic and Computation & CS U291 [1 SH]
CS U370 Object-Oriented Design
CS U390 Theory of Computation
CS U430 Database Design
CS U670 Software Development
CS U600 Senior Seminar (1 SH)
<i>Integrative Course (4 SH)</i>
IS U570 Human-Computer Interaction
<i>CS Elective Requirements (8 SH)</i>
CS Elective 1
CS Elective 2
<i>CS elective: CS U380 or higher or IS U535</i>
<b>English Requirements (8 SH: 2 @ 4 SH)</b>
ENG U111 College Writing
ENG U302 Adv Writing in the Technical Professions
<i>With permission, may substitute ENG U301 for ENG U302</i>
<b>General Requirements (8 SH: 2 @ 4 SH)</b>
PSY U101 Foundations of Psychology
SOC U528 Computers and Society
<b>General Electives (16 SH: 4 @ 4 SH)</b>
Elective 1
Elective 2
Elective 3
Elective 4
<i>The general electives must be consistent with the policy on general electives articulated by the College of Computer and Information Science on the college web site.</i>
<i>The Comparative Cultures Requirement must be satisfied. If this is done by taking a course then this must also be one of the general electives.</i>

<b>Music Technology (58 SH: 13 @ 4 SH, 6 @ 1 SH)</b>
<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 U422 Music Composition Seminar 2
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 U421 Digital Audio Processing
<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 U320 Sound Design
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>