

B.S. Dual Major for Computer Science and Multimedia Studies (285BS) For Students Entering in Fall 2008 or Spring 2009

Revision of June 24, 2008

This degree program requires 136 SH

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

Entrance requirements for the CS/MMS dual major

Either 3.0 overall QPA or permission of the CS/MMS committee.

All student applicants should complete an application form to join the program in March and then do an interview with designated MMS faculty in April. This interview is designed to determine if the CS/MMS dual major is suitable for the student. See the site below for details:

<http://www.mmstudies.neu.edu>

Ongoing requirements for the CS/MMS dual major

Minimum grade of C in all courses that satisfy either CS or MMS requirements in the dual major.

Minimum QPA of B- (2.67) over all courses that satisfy either CS or MMS requirements in the dual major.

Computer Science
(49 or 50 SH: 11 @ 4 SH, 5 or 6 @ 1 SH)
<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]
IS U570 Human-Computer Interaction (<i>Integrative</i>)
<i>Additional Requirements</i>
CS Elective 1
CS Elective 2
<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>
General Requirements (8 SH: 2 @ 4 SH)
PSY U101 Foundations of Psychology
SOC U528 Computers and Society
General Electives (20 SH: 5 @ 4 SH)
Elective 1
Elective 2
Elective 3
Elective 4
Elective 5
<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>
MMS/Digital Art/Music Electives (12 SH: 3 @ 4 SH)
<i>For MMS/Digital Art/Music Electives, see selections at the right.</i>
MMS/Digital Art/Music Elective 1
MMS/Digital Art/Music Elective 2
MMS/Digital Art/Music Elective 3

Multimedia Studies (51 SH: 12 @ 4 SH, 3 @ 1 SH)
<i>Required Multimedia Studies and Related Courses (39 SH)</i>
ART U130 Visual Studies Foundation 1 & ART U123 [1 SH]
ART U132 4D Foundation & ART U133 [1 SH]
MMS U300 Narrative for Multimedia
MMS U305 Programming for Multimedia
MMS U400 Hypermedia & MMS U401 [1 SH]
MMS U500 Multimedia Studies History (<i>Integrative</i>)
MMS U700 Multimedia Capstone 1
MMS U701 Multimedia Capstone 2
MUS U220 Music and Technology 1
<i>MMS/Digital Art/Music Electives (12 SH)</i>
<i>Complete 3 additional courses from one or more of the following areas. If a lab is specified, then that must be taken as well.</i>
<i>Area: Multimedia Studies</i>
MMS U450 Special Topics in Hypermedia
MMS U460 Special Topics in Multimedia
MMS U600 Business, Law, and Multimedia
<i>Other MMS: U5xx or above</i>
<i>Area: Digital Art</i>
ART U131 Visual Studies Foundation 2 & ART U125 [1 SH]
ART U175 Animation Basics & ART U176 [1 SH]
ART U275 Animation Studio 1
ART U375 Animation Studio 2
ART U475 Animation Studio 3
ART U180 Video Basics & ART U181 [1 SH]
ART U381 Video Project
ART U160 Photography 1 & ART U161 [1 SH]
ART U360 Photography 2
ART U385 Still Digital Imaging
ART U602 Fine Art Digital Imaging
ART U332 Design Principles and Drawing
ART U334 Typography 1 & ART U338 [1 SH]
ART U344 Typography 2
ART U333 Design 1 and Drawing
ART U443 Graphic Design 2
<i>Area: Music Technology</i>
MUS U221 Music and Technology 2
MUS U232 Music Recording 1
MUS U320 Sound Design
MUS U421 Digital Audio Processing
<i>Area: Game Design</i>
GAM U110 Games and Society & GAM U111 [1 SH]