

B.S. Dual Major for Computer Science and Multimedia Studies

Revision of June 23, 2008

This degree program requires 132 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.

Students who take MMS U400 after June 23, 2008 should also take the lab MMS U401.

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>Additional Requirements</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 (12 SH: 3 @ 4 SH)
Elective 1
Elective 2
Elective 3
<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>

Multimedia Studies (48 SH: 12 @ 4 SH)
<i>Required Multimedia Studies and Related Courses (32 SH)</i>
ART U130 Visual Studies Foundation 1
ART U290 Introduction to Digital Tools
MMS U300 Narrative for Multimedia
MMS U305 Programming for Multimedia
MMS U400 Hypermedia
MMS U700 Multimedia Capstone 1
MMS U701 Multimedia Capstone 2
MUS U220 Music and Technology 1
<i>Integrative Course (4 SH)</i>
MMS U500 Multimedia Studies History
<i>Additional Requirements (12 SH)</i>
<i>Choose 3 courses. Students who want to concentrate can focus on one area and students who want variety can select from several areas. Students who want to take advanced courses must take all prerequisite courses and may need to use general electives to accomplish this.</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: Animation and Video</i>
ART U175 Animation Basics
ART U275 Animation Studio 1
ART U375 Animation Studio 2
ART U475 Animation Studio 3
ART U180 Video Basics
<i>Area: Photography</i>
ART U160 Photography 1
ART U360 Photography 2
ART U385 Still Digital Imaging
ART U602 Fine Art Digital Imaging
<i>Area: Graphic Design</i>
ART U332 Design Principles and Drawing
ART U334 Typography 1
ART U344 Typography 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