

## MULTIMEDIA STUDIES

[www.mmstudies.neu.edu](http://www.mmstudies.neu.edu)

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**M**ultimedia is the delivery of rich content through digital media. Digital media broaden our exposure to new ideas and creative expressions. The media afford artists, composers, and designers new opportunities to experiment and collaborate with a wide variety of partners, such as medical researchers, mathematicians, and historians. Multimedia has made specialized computer literacy and broad-based knowledge necessities for the creative professional.

The multimedia studies dual majors offer students in the collaborating areas of art and design, music, and computer science the opportunity to understand and experience the disparate disciplines that contribute to multimedia creation. These dual majors expose students to the historical significance of changing technology and media, while encouraging students to integrate their creative work with the skills they will need in the rapidly growing field of multimedia production.

Multimedia development requires intensive team interaction and a broad knowledge base. It is too complex for one individual, no matter how creative or talented, to master. Members of a team are better able to provide expertise in their unique disciplines when they are fully aware of their team members' contributions. In addition, this collaborative approach best allows all team members to understand the context in which their contributions are used. Multimedia studies students have many opportunities to collaborate with their peers and work with students in all multimedia studies dual majors.

### Transferring to the Major

Multimedia production requires expert knowledge in at least one discipline, which is why students can't major in multimedia alone. To be eligible to apply to the multimedia studies program, students must:

1. Be majors in good standing in one of the home disciplines.
2. Complete at least one semester of course work in the Department of Art + Design, Department of Music, or College of Computer Science.

3. Meet the separate requirements for admission to the program itself. These include submission of a statement of intent, portfolio of work or interview, and a minimum cumulative GPA.

Students in the program begin their work in their home department or college and then continue to develop their core discipline while exploring interdisciplinary multimedia course work.

The curriculum comprises three components:

- Basic principles of art and design, music technology, and computer programming
- Extra-disciplinary courses to provide a historical, societal, and cultural framework
- Cross-disciplinary courses specific to the program, such as the following:

MMS U300 Narrative for Multimedia 4 SH

The student's senior year in the program is devoted to integrating these components. Students working in cross-disciplinary teams draw on their accumulated knowledge to develop and deliver original multimedia content.

### Academic Progression Standards

Art + design and music technology students are required to maintain a 3.000 GPA in their home department and multimedia studies courses. Computer science students must maintain a minimum 2.670 GPA in all CS, IS, and MMS courses.

### BFA in Multimedia Studies and Digital Art

*Note: "TBD" stands for "to be determined."*

#### NU CORE REQUIREMENTS

See page 42 for requirement list.

#### DIGITAL ART REQUIREMENTS

##### *Art + Design at Northeastern*

Complete the following course:

ART U100 Art + Design at Northeastern 1 SH

##### *Art + Design Foundations*

Complete the following eight courses with corresponding tools courses, as indicated:

ART U102	Color 1 Foundation	1 SH
ART U104	Color 2 Foundation	1 SH
ART U121	Drawing 2 Foundation	4 SH
ART U124	Basic Drawing	4 SH
ART U130	Visual Studies Foundation 1	4 SH
with ART U123	2D Tools for ART U130	1 SH
ART U131	Visual Studies Foundation 2	4 SH
with ART U125	3D Tools for ART U131	1 SH
ART U132	4D Foundation	4 SH
with ART U133	4D Tools for ART U132	1 SH
ART U134	Interactive Foundation	4 SH
with ART U135	Interactive Tools for ART U134	1 SH

**Art + Design History**

Complete the following three courses:

ART U101	History of Art before 1400	4 SH
ART U103	History of Art since 1400	4 SH
ART U210	Art + Design History, 1900 to 1945	4 SH

**Digital Art Midlevel Studios**

Complete two of the following courses with corresponding tools courses:

ART U160	Photography 1	4 SH
with ART U161	Photo Tools for ART U160	1 SH
ART U175	Animation Basics	4 SH
with ART U176	Animation Tools for ART U175	1 SH
ART U180	Video Basics	4 SH
with ART U181	Video Tools for ART U180	1 SH

**Digital Art Electives**

Complete two courses from the following list:

ART U275	Animation Studio 1	4 SH
ART U360	Photography 2	4 SH
ART U375	Animation Studio 2	4 SH
ART U381	Video Project	4 SH
ART U385	Still Digital Imaging	4 SH
TBD	Video 2	

**MULTIMEDIA STUDIES REQUIREMENTS****Required Courses**

Complete the following five courses with corresponding tools course, as indicated:

MMS U300	Narrative for Multimedia	4 SH
MMS U305	Programming for Multimedia	4 SH
MMS U400	Hypermedia	4 SH
with MMS U401	Web Tools: Intermediate	1 SH
MMS U500	Multimedia Studies History	4 SH
MUS U220	Music and Technology 1	4 SH

**Multimedia Elective Courses**

Complete three courses from the following list with corresponding lab, as indicated. The one digital art midlevel studio course set not used above may also count as an elective:

ART U334	Typography 1	4 SH
GAM U110	Games and Society	3 SH
with GAM U111	Lab for GAM U110	1 SH
MMS U450	Special Topics in Hypermedia	4 SH
MMS U460	Special Topics in Multimedia	4 SH
MMS U600	Business, Law, and Multimedia	4 SH
MUS U221	Music and Technology 2	4 SH

**Capstone Project**

Complete the following two courses:

MMS U700	Multimedia Capstone 1	4 SH
MMS U701	Multimedia Capstone 2	4 SH

**MAJOR GPA REQUIREMENT**

Minimum 3.000 GPA required in all MMS courses

**GENERAL ELECTIVES**

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

**COOPERATIVE EDUCATION**

If elected

**UNIVERSITY-WIDE REQUIREMENTS**

137 total semester hours required  
Minimum 2.000 GPA required

**BFA in Multimedia Studies and Graphic Design**

Note: "TBD" stands for "to be determined."

**NU CORE REQUIREMENTS**

See page 42 for requirement list.

**GRAPHIC DESIGN REQUIREMENTS****Art + Design at Northeastern**

Complete the following course:

ART U100	Art + Design at Northeastern	1 SH
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**Art + Design Foundations**

Complete the following eight courses with corresponding tools courses, as indicated:

ART U102	Color 1 Foundation	1 SH
ART U104	Color 2 Foundation	1 SH
ART U121	Drawing 2 Foundation	4 SH
ART U124	Basic Drawing	4 SH
ART U130	Visual Studies Foundation 1	4 SH
with ART U123	2D Tools for ART U130	1 SH
ART U131	Visual Studies Foundation 2	4 SH
with ART U125	3D Tools for ART U131	1 SH
ART U132	4D Foundation	4 SH
with ART U133	4D Tools for ART U132	1 SH
ART U134	Interactive Foundation	4 SH
with ART U135	Interactive Tools for ART U134	1 SH

**Art + Design History**

Complete the following three courses:

ART U101	History of Art before 1400	4 SH
ART U103	History of Art since 1400	4 SH
ART U210	Art + Design History, 1900 to 1945	4 SH

**Graphic Design**

Complete the following five courses with corresponding tools course, as indicated:

ART U333	Design 1 and Drawing	4 SH
ART U334	Typography 1	4 SH
with ART U338	Type Tools for ART U334	1 SH
ART U350	Color in Multiple Media	4 SH
ART U443	Graphic Design 2	4 SH
ART U691	Information Architecture	4 SH

**Graphic Design Electives**

Complete two courses from the following list:

ART U635	Time-Based Design	4 SH
ART U644	Interactive Design	4 SH
TBD	Interactive Info Design	
TBD	Environmental Design	

**MULTIMEDIA STUDIES REQUIREMENTS****Required Courses**

Complete the following five courses with corresponding tools course, as indicated:

MMS U300	Narrative for Multimedia	4 SH
MMS U305	Programming for Multimedia	4 SH
MMS U400	Hypermedia	4 SH
with MMS U401	Web Tools: Intermediate	1 SH
MMS U500	Multimedia Studies History	4 SH
MUS U220	Music and Technology 1	4 SH

**Multimedia Elective Courses**

Complete three courses from the following list with corresponding tools courses, as indicated. No more than two of these courses may be digital art midlevel studios:

**DIGITAL ART MIDLEVEL STUDIOS**

ART U160	Photography 1	4 SH
with ART U161	Photo Tools for ART U160	1 SH
ART U175	Animation Basics	4 SH
with ART U176	Animation Tools for ART U175	1 SH
ART U180	Video Basics	4 SH
with ART U181	Video Tools for ART U180	1 SH

**ELECTIVES**

MMS U450	Special Topics in Hypermedia	4 SH
MMS U460	Special Topics in Multimedia	4 SH
MMS U600	Business, Law, and Multimedia	4 SH
MUS U221	Music and Technology 2	4 SH

**Capstone Project**

Complete the following two courses:

MMS U700	Multimedia Capstone 1	4 SH
MMS U701	Multimedia Capstone 2	4 SH

**MAJOR GPA REQUIREMENT**

Minimum 3.000 GPA required in all MMS courses

**GENERAL ELECTIVES**

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

**COOPERATIVE EDUCATION**

If elected

**UNIVERSITY-WIDE REQUIREMENTS**

138 total semester hours required

Minimum 2.000 GPA required

**BS in Multimedia Studies and Music with Concentration in Music Technology****NU CORE REQUIREMENTS**

See page 42 for requirement list.

**MULTIMEDIA STUDIES REQUIREMENTS****Multimedia Studies**

Complete the following five courses with corresponding tools courses, as indicated:

ART U130	Visual Studies Foundation 1	4 SH
with ART U123	2D Tools for ART U130	1 SH
ART U132	4D Foundation	4 SH
with ART U133	4D Tools for ART U132	1 SH
MMS U300	Narrative for Multimedia	4 SH
MMS U305	Programming for Multimedia	4 SH
MMS U400	Hypermedia	4 SH

**Multimedia Elective Courses**

Complete three courses from the following list with corresponding tools courses, as indicated:

ART U160	Photography 1	4 SH
with ART U161	Photo Tools for ART U160	1 SH
ART U175	Animation Basics	4 SH
with ART U176	Animation Tools for ART U175	1 SH
ART U180	Video Basics	4 SH
with ART U181	Video Tools for ART U180	1 SH
ART U334	Typography 1	4 SH
with ART U338	Type Tools for ART U334	1 SH
GAM U110	Games and Society	3 SH
with GAM U111	Lab for GAM U110	1 SH
MMS U450	Special Topics in Hypermedia	4 SH
MMS U460	Special Topics in Multimedia	4 SH
MMS U500	Multimedia Studies History	4 SH
MMS U600	Business, Law, and Multimedia	4 SH

**Capstone Project**

Complete the following two courses:

MMS U700	Multimedia Capstone 1	4 SH
MMS U701	Multimedia Capstone 2	4 SH

**MUSIC REQUIREMENTS****Music Courses**

Complete the following seven courses:

MUS U220	Music and Technology 1	4 SH
MUS U221	Music and Technology 2	4 SH
MUS U250	Instrumentation and Notation	4 SH
MUS U315	History of Electronic Music	4 SH
MUS U320	Sound Design	4 SH
MUS U421	Digital Audio Processing	4 SH
MUS U520	Interactive Real-Time Performance	4 SH

**Music Theory and Historical Traditions**

Complete the following seven courses. Music Theory and Musicianship should be taken concurrently, as indicated:

MUS U201	Music Theory 1	4 SH
with MUS U241	Musicianship 1	1 SH
MUS U202	Music Theory 2	4 SH
with MUS U242	Musicianship 2	1 SH
MUS U303	Music Theory 3	4 SH
with MUS U343	Musicianship 3	1 SH
MUS U304	Music Theory 4	4 SH
with MUS U344	Musicianship 4	1 SH

MUS U308	Principles of Music Literature	4 SH
MUS U312	Historical Traditions 2: Classical	4 SH
MUS U313	Historical Traditions 3: World	4 SH

**Music Composition Lessons**

Complete the following (repeatable) course six times:

MUS U903	Composition Lessons	1 SH
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**Music Ensemble**

Complete two music ensembles:

MUS U904	Chorus	1 SH
MUS U905	Band	1 SH
MUS U906	Orchestra	1 SH
MUS U907	Wind Ensemble	1 SH
MUS U911	Jazz Ensemble	1 SH
MUS U912	Rock Ensemble	1 SH
MUS U913	Blues/Rock Ensemble	1 SH
MUS U914	Create Your Own Music	1 SH
MUS U915	Chamber Ensembles	1 SH
MUS U916	Electronic Music Ensemble	1 SH

**MAJOR GPA REQUIREMENT**

Minimum 3.000 GPA required in all MMS courses

**MULTIMEDIA STUDIES AND MUSIC DUAL-MAJOR CREDIT REQUIREMENT**

Complete 114 semester hours in the major.

**GENERAL ELECTIVES**

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

**COOPERATIVE EDUCATION**

If elected

**UNIVERSITY-WIDE REQUIREMENTS**

128 total semester hours required

Minimum 2.000 GPA required

**BS in Computer Science and Multimedia Studies**

See page 276.