

Information Design and Data Visualization, MS

The Master of Science in Information Design and Data Visualization is a two-semester research- and analysis-oriented program focusing on visual interfaces to communicate and explore digital information. Successful graduates may become professional information designers and data visualization experts able to collaborate effectively in this dynamic and burgeoning field of practice and research, prepared to work in data-driven areas including design, technology, business, health, education, and public institutions. The curriculum is designed to train students in design principles, critical inquiry, and the analytical and creative practices needed to assume leadership roles in an evolving interdisciplinary field. Coursework focuses on the translation of data and information into visual languages and the integration of theoretical, cognitive, and technical aspects of visualizations that engage a broad range of audiences. From this master's program, students have multiple options to expand their advanced studies along diverse avenues, including adding graduate certificates in related topics such as user analytics, data analytics, experience design, and cultural entrepreneurship; engaging in co-op opportunities; and applying to proceed academically into a terminal Master of Fine Arts degree.

To learn more visit the Information Design and Data Visualization (<https://camd.northeastern.edu/program/information-design-and-visualization/>) page.

Program Requirements

- Concentrations and course offerings may vary by campus and/or by program modality. Please consult with your advisor or admissions coach for the course availability each term at your campus or within your program modality.
- Certain options within the program may be *required* at certain campuses or for certain program modalities. Please consult with your advisor or admissions coach for requirements at your campus or for your program modality.

Boston-based students complete all courses and requirements listed below unless otherwise indicated.

Core Requirements

Code	Title	Hours
ARTG 5100	Information Design Studio 1: Principles	4
ARTG 5150 and ARTG 5151	Information Visualization Principles and Practices and Information Design Critique Seminar	4
ARTG 5310	Visual Cognition	4
ARTG 5320	Statistics for Design	4
ARTG 5330	Visualization Technologies 1: Fundamentals	4
ARTG 6100	Information Design Studio 2: Dynamic Mapping and Models	4
ARTG 6110	Information Design Theory and Critical Thinking	4

Elective

Thesis (ARTG 7890) is required in lieu of an elective for Vancouver-based students in consultation with program coordinator.

Code	Title	Hours
Complete one of the following:		4
ARTG 5000	Topics in Design	
ARTG 5110	Information Design History	
ARTG 5120	Research Methods for Design	
ARTG 5130	Visual Communication for Information Design	
ARTG 5430	Visualization Technologies 2: Advanced Practices	
ARTG 5710	Design for Dignity	
ARTG 6310	Design for Behavior and Experience	
ARTG 6330	Information Design Mapping Strategies	
ARTG 6555	Graphic Design Synthesis	
ARTG 7890	Thesis	

Program Credit/GPA Requirements

32 total semester hours required

Minimum 3.000 GPA required

Plan of Study

Sample Plans of Study

Two Semesters, No Co-op¹

Year 1				
Fall	Hours	Spring	Hours	
ARTG 5100		4 ARTG 5310		4
ARTG 5150 and ARTG 5151		4 ARTG 5330		4
ARTG 5320		4 ARTG 6100		4
Elective		4 ARTG 6110		4
		16		16

Total Hours: 32

¹ Summer co-op is optional in consultation with the program coordinator.

Four Semesters, No Co-op²

Year 1				
Fall	Hours	Spring	Hours	
ARTG 5100		4 ARTG 5310		4
ARTG 5320		4 ARTG 5150 and ARTG 5151		4
		8		8
Year 2				
Fall	Hours	Spring	Hours	
ARTG 5330		4 ARTG 6110		4
ARTG 6100		4 Elective		4
		8		8

Total Hours: 32

² Students can choose to do a co-op in the summer between year 1 and year 2.