

# 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

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

Code	Title	Hours
Complete one of the following:		4
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 6310	Design for Behavior and Experience	

ARTG 6320 Design of Information-Rich Environments

ARTG 6330 Information Design Mapping Strategies

## Program Credit/GPA Requirements

32 total semester hours required

Minimum 3.000 GPA required

## Plan of Study

### Year 1

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

Total Hours: 32