

# Information Systems, MSIS—Bridge—Online

The Online Master of Science in Information Systems—Bridge from the College of Engineering at Northeastern University is designed to teach students to use technology to address the challenges facing people in businesses, organizations, and communities across the world. This prestigious and meticulously designed master's program allows capable graduates from all academic and professional backgrounds to reposition themselves across a range of rapidly growing IT industries, ready to help define and lead the systemic changes that are reshaping our societies.

Designed for graduates and working professionals from any background, the online MSIS offers you an opportunity to obtain the technical skills and business management expertise to drive digital transformation in any organization. You'll study deep applied knowledge across a range of technological fields, including UX design, software development, data analytics, and digital business processes.

Along the way, you'll have an opportunity to learn business leadership best practices. With a strong working knowledge of quality assurance, data management, agile methodologies, and marketing assessment, you'll be ready for leadership in almost any organization or industry.

With this unique and flexible set of must-have skills, you'll be ideally positioned to step into a diverse range of tech leadership roles including IT project manager, systems administrator, software developer, information security analyst, and more.

## Program Requirements

Complete all courses and requirements listed below unless otherwise indicated.

### Introductory Coursework

*Note:* To ensure that students have the foundation necessary to be successful in this program, each student must complete the following with a minimum grade of B:

Code	Title	Hours
INFO 5001	Application Modeling and Design	4
INFO 5002	Introduction to Python for Information Systems	4

### Core Requirements

Code	Title	Hours
INFO 5100 and INFO 5101	Application Engineering and Development and Lab for INFO 5100	4

### Additional Requirements

Code	Title	Hours
CSYE 7280	User Experience Design and Testing	4
DAMG 6210	Data Management and Database Design	4
INFO 6105	Data Science Engineering Methods and Tools	4
INFO 6150	Web Design and User Experience Engineering	4
INFO 6245	Planning and Managing Information Systems Development	4
INFO 6350	Smartphones-Based Web Development	4
INFO 7245	Agile Software Development	4

### Program Credit/GPA Requirements

40 total semester hours required

Minimum 3.000 GPA required