Multidisciplinary Programs

Website (https://coe.northeastern.edu/academics-experiential-learning/academic-departments/mgen/)

Dana Research Center, 5th Floor

The multidisciplinary graduate engineering Master of Science programs integrate engineering solutions from the fields of technology and business by developing technical and engineering skills through advanced coursework and complex technical projects. Each program focuses on the application of knowledge and skills to business and industrial settings. The software, data, and network systems programs blend academic and corporate experience to enable students to enhance their professional capabilities, thereby facilitating career transformation. Given an applied focus, each program provides learning opportunities to develop the skills needed to create innovative, practical, and effective solutions that can be easily applied to current professional challenges.

The multidisciplinary graduate engineering programs are designed to prepare students for direct entry into the workforce. Students who are seeking preparation for entry into PhD programs should consider specific department MS programs (https://catalog.northeastern.edu/graduate/engineering/) aligned with their research interests.

Graduate Certificate Options

Students enrolled in a graduate degree program in the College of Engineering have the opportunity to pursue an engineering graduate certificate in addition to or in combination with the MS degree. For more information please refer to Graduate Certificate Programs (https://catalog.northeastern.edu/graduate/engineering/graduate-certificate-programs/).

GORDON INSTITUTE OF ENGINEERING LEADERSHIP OPTION

Students have the opportunity to pursue the Gordon Engineering Leadership Program (https://catalog.northeastern.edu/graduate/gordon-institute/) in combination with the MS degree.

Programs

Master of Science in Information Systems (MSIS)

- Information Systems (https://catalog.northeastern.edu/graduate/engineering/multidisciplinary/information-systems-msis/)
- Information Systems—Bridge (https://catalog.northeastern.edu/graduate/engineering/multidisciplinary/information-systems-msis-bridge/)
- Information Systems—Bridge—Online (https://catalog.northeastern.edu/graduate/engineering/multidisciplinary/information-systems-msis-bridge-online/)
- Information Systems—Online (https://catalog.northeastern.edu/graduate/engineering/multidisciplinary/information-systems-msis-online/)

Master of Science (MS)

- Cyber-Physical Systems (https://catalog.northeastern.edu/graduate/engineering/multidisciplinary/cyber-physical-systems-ms/)
- Data Architecture and Management (https://catalog.northeastern.edu/graduate/engineering/multidisciplinary/data-architecture-management-ms/)
- Software Engineering Systems (https://catalog.northeastern.edu/graduate/engineering/multidisciplinary/software-engineering-systems-ms/)
- Telecommunication Networks (https://catalog.northeastern.edu/graduate/engineering/multidisciplinary/telecommunication-networks-ms/)

Graduate Certificates

- Blockchain and Smart Contract Engineering (https://catalog.northeastern.edu/graduate/engineering/multidisciplinary/blockchain-smart-contract-engineering-graduate-certificate/)
- Broadband Wireless Systems (https://catalog.northeastern.edu/graduate/engineering/multidisciplinary/broadband-wireless-systems-graduate-certificate/)
- Engineering Leadership (https://catalog.northeastern.edu/graduate/engineering/multidisciplinary/engineering-leadership-graduate-certificate/)
- IP Telephony Systems (https://catalog.northeastern.edu/graduate/engineering/multidisciplinary/ip-telephony-systems-graduate-certificate/)
- Software Engineering Systems (https://catalog.northeastern.edu/graduate/engineering/multidisciplinary/software-engineering-systems-graduate-certificate/)