NORTHEASTERN UNIVERSITY ENGINEERING

Silicon Valley: Master of Science in Information Systems

Blockchain Technology Specialization

The Master of Science degree in Information Systems (MS-IS) with a Blockchain Technology specialization (a.k.a., distributed ledger or distributed consensus technology) offers you the opportunity to take a socio-technical approach to software engineering, while also investing in major career growth opportunities in one of the technology industry's newest and most compelling innovations. This represents a new area on how complex systems of networks of mediated businesses and entities will be designed and built.

Offered in Silicon Valley, this specialized MS-IS degree is an evolution in the long-standing tradition of one of the premier colleges of engineering—creating professional leaders capable of creating complex engineering solutions to real-world, humanistic problems.

Why an MS-IS?

In this MS-IS program, you'll learn how to build distributed ledger applications that automate the operations of streamlined, mutually beneficial, densely networked business relationships. To strengthen your skills, you'll study examples of the delivery of trust in multi-party business relations through digital platforms, and collaborate with distributed consensus (blockchain) technology luminaries on real-world case studies. You'll also gain the important communication and project management skills you need to become a well-rounded leader, architect, and driver of distributed ledger technology innovations.

Why Blockchain Technology?

By specializing your Information Systems degree in the rapidly growing and revolutionary field of distributed ledger (blockchain) technology, you position yourself as an expert for companies of all types looking to develop, implement, or manage blockchain technology to enhance their business practices through cryptocurrency, decentralized cloud storage, digital security, smart contracts, and more. This innately secure, technological infrastructure across networks brings transparency and trust to all parties in a business relationship, allowing for faster, less expensive, and more efficient transactions of all kinds, from banking to healthcare.

Complete Your Degree in Just Two Years

Your 32 credit hours can be taken either on-campus in the Bay Area, or in a blended format with several courses offered online from Northeastern's home campus in Boston, MA. You can tailor your degrees to your skills and interests through a robust list of electives, and you'll become skilled in cutting-edge industry tools, including Solidity programming language, frameworks like web3.js for front-end secure interface programming, uPort for identity management capabilities, and the Ethereum platform.

CONTACT

Program Director
Dr. Kal Bugrara

Engineering Graduate School

617.373.2711
coe.northeastern.edu/gse

Northeastern's Silicon Valley Hub

Northeastern University– Silicon Valley is the first in a series of educational hubs embedded directly in companies across the Bay Area. Co-located at our entrepreneurial industry partner, Integrated Device Technology, the hub serves as an incubator for top-tier science, technology, engineering, and math talent, producing students with graduate degrees and certificates who have real-world, marketplace relevance

This degree is ideal for software engineering professionals working in or relocating to the Silicon Valley region—the heart of the world's high-tech industry—who want to stand out in their field by positioning themselves at the forefront of a new paradigm in computing. If you already have a development job and want to advance in the innovation track, Northeastern's MS-IS degree with a Blockchain Technology specialization can kickstart a new, exciting phase in your career.

Northeastern University
College of Engineering

For more information about this program:
coe.northeastern.edu/ms-insy-blockchain

N Northeastern
College of Engineering

With over 180 tenured/tenure-track faculty, 17 multidisciplinary research centers and institutes, and funding by eight federal agencies, the College of Engineering is a leader in experiential education and interdisciplinary research, with a focus on discovering solutions to global challenges to benefit society.

Northeastern University

Founded in 1898, Northeastern is a global research university and the recognized leader in experience-powered lifelong learning. Our world-renowned experiential approach empowers our students, faculty, alumni, and partners to create impact far beyond the confines of discipline, degree, and campus.

Our locations—in Boston; the Massachusetts communities of Burlington and Nahant; Charlotte, North Carolina; the San Francisco Bay Area; Seattle; London; Toronto; and Vancouver— are nodes in our growing global university system. Through this network, we expand opportunities for flexible, student-centered learning and collaborative, solutions-focused research.

Northeastern's comprehensive array of undergraduate and graduate programs—in on-campus, online, and hybrid formats—lead to degrees through the doctorate in nine colleges and schools. Among these, we offer more than 140 multidisciplinary majors and degrees designed to prepare students for purposeful lives and careers.