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

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Program Information and Admissions
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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.

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College of Engineering

For more information about this program: **coe.neu.edu/degrees/ms-is-blockchain**