The master’s in Information Systems offers a business- and technology-intensive approach to topics like digital innovation and transformation, technology integration, IT strategy, and data analytics. Students learn to approach problems like a C-level executive who leverages emerging technologies and business models to find solutions. The curriculum prepares students for the challenges faced by information systems consultants, business analysts, IT auditors and project managers.

### CURRICULUM OVERVIEW
The curriculum is structured around a six-course block of information systems courses, supported by two courses in general management and four elective courses.

#### MANAGEMENT
Courses in this block provide essential management skills that prepare IT professionals to think about how their technical abilities are applied in a corporate setting.
- Project Management Fundamentals
- Financial Decision Making

#### INFORMATION SYSTEMS
These six courses challenge students to go beyond basic concepts in information systems and technology to become adept problem solvers whose analytical skills will be invaluable in supporting the growth of the enterprise.
- Data Management
- Applied Analytics
- Digital Innovation
- Process Innovation and Management
- Integrating Information Systems Technologies
- Information Technology Strategy

### SPECIALIZATION
This program includes four electives to customize your studies. Students seeking more structure may choose from the below concentrations.

#### BUSINESS INTELLIGENCE & ANALYTICS
- Designing the Knowledge Organization
- Data Warehousing & Business Intelligence
- Data Analytics & Machine Learning
- Marketing Analytics

#### BUSINESS PROCESS MANAGEMENT & SERVICE INNOVATION
Choose four of the following.
- Supply Chain Management and Strategy
- Supply Chain Analytics
- Advanced Business Process Management
- Process Optimization and Analytics
- Service Innovation

#### CYBERSECURITY RISK MANAGEMENT
- Financial Cybersecurity
- Cybersecurity Principles for Managers
- Risk Management

Plus an additional cybersecurity elective

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**PROJECT MANAGEMENT**

- Strategic Perspectives of Project Management
- Project Analytics
- Leader Development
- Advanced Project Management

**SOFTWARE ENGINEERING**

- Fundamentals of Software Engineering
- Agile Development
- Software Testing
- Software Requirements Analysis and Engineering

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**STEVENS INSTITUTE OF TECHNOLOGY**

36 credits (18 months) | STEM | Full or part time | On campus or online

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