

INFORMATION SYSTEMS

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

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
- Digital Innovation
- Process Innovation and Management
- Integrating Information Systems Technologies
- Information Technology Strategy

In addition, choose either of:

- Business Analytics: Data, Models and Decisions
- Data Analytics and Machine Learning

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

PROJECT MANAGEMENT

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



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