

## MASTER OF SCIENCE IN INFORMATION SYSTEMS

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The MSIS is a great program for anyone looking to get a professional edge in a world that is relying more heavily on technology and data.



**Peter Greco**  
MS '20

### DESIGN, DEVELOP, AND ANALYZE CUTTING-EDGE INFORMATION SYSTEMS

Companies need professionals who possess a balanced combination of technical and managerial skills. You can meet that need with the MSIS program at Marist. The MSIS program provides expertise and experience in information technology and systems, information resources management and strategy, and a broad variety of leading-edge technical courses. Multiple MSIS graduate degree courses are real-client based to enhance consultative skills and experience, making students more marketable in the world's increasingly technology-dependent organizations.

- ▶ Based in the Computer Science and Mathematics Department, the MSIS program gives you hands-on computer experience that employers prefer.
- ▶ Courses can be taken completely online or in a classroom setting at our Poughkeepsie campus.
- ▶ The Virtual Computing Laboratory lets you log into Marist's computers and access software from anywhere with your PC and high-speed internet access – putting the hardware you need at your fingertips and eliminating software compatibility challenges.
- ▶ Customize your Master's Degree by choosing from three concentrations:
  - ▶ **Business Analytics**
  - ▶ **Information Systems Management**
  - ▶ **Computer Networks and Security**
- ▶ The *Occupational Outlook Handbook* shows a much faster than average job growth from 2020-2030.

### MARIST LEADS THROUGH INNOVATION

- ▶ NYS Center of Excellence in Cloud Computing & Analytics was founded at Marist with a \$3 million state grant.
- ▶ Marist installed the first IBM System zEnterprise Business Class servers for graduate programs.
- ▶ Research is underway in high-performance computing and high-speed computer networks.
- ▶ National Science Foundation-funded computer research laboratory.
- ▶ Marist College is acquiring a cutting-edge IBM z16 system, a state-of-the-art mainframe system, equipped with advanced cybersecurity and AI capabilities integrated at the chip level.

### CONTACT US

P (888) 877-7900 • F (845) 575-3166  
[marist.edu/graduate](http://marist.edu/graduate) • [graduate@marist.edu](mailto:graduate@marist.edu)  
3399 North Road, Poughkeepsie, NY 12601

### UPCOMING EVENTS

The best way to find out about our programs is to attend an open house or virtual information session!  
Visit [marist.edu/rsvp](http://marist.edu/rsvp) to RSVP.

## PERSONALIZE YOUR DEGREE

### BUSINESS ANALYTICS CONCENTRATION

- ▶ Gain expertise in accessing and manipulating data, applying analytical techniques to extract information from data, and use it to predict future trends and behavior patterns.
- ▶ Careers include Data Analyst/Architect, Database Administrator, Business Analyst, Business Analytics Manager, Chief Data Officer (CDO).

### INFORMATION SYSTEMS MANAGEMENT CONCENTRATION

- ▶ Explore ways to use new technologies to meet current and future technology growth needs.
- ▶ Careers include IS Manager, System Analyst/Designer, Project Manager, Chief Information Officer (CIO).

### COMPUTER NETWORKS & SECURITY CONCENTRATION

- ▶ Develop competence to investigate, design, implement, and troubleshoot emerging network and security technology.
- ▶ Develop expertise in assessing an enterprise infrastructure for secure emerging solutions.
- ▶ Careers include Security Administrator, Network Specialist, System Administrator, Chief Technology Officer (CTO).

## MSIS REQUIRED COMMON COURSES

(21 credits)

- ▶ MSIS 527 Systems & Information Concepts in Organizations
- ▶ MSIS 537 Data Management I
- ▶ MSIS 567 Data Communications
- ▶ MSIS 570 Systems Analysis and Design
- ▶ MBA 674 Financial & Managerial Accounting
- ▶ MSIS 720 Capstone Project
- ▶ MSIS 730 Information Systems Policy

## CONCENTRATIONS (CHOOSE ONE):

### INFORMATION SYSTEMS MANAGEMENT (ISM)

#### Required Courses (6 credits)

- ▶ MSIS 620 Emerging Technologies
- ▶ MSIS 621 Enterprise Architecture

#### Electives: 9 credits from:

*Information Systems, Business, Software Development*

### BUSINESS ANALYTICS (BA)

#### Required Courses (9 credits)

- ▶ MSIS 545 Introduction to Data Analysis & Computational Statistics
- ▶ MSIS 637 Decision Support Systems
- ▶ MSIS 645 Data Mining & Predictive Analytics

#### Electives: 6 credits from:

*Information Systems, Business, Software Development*

### COMPUTER NETWORKS & SECURITY (CNS)

#### Required Courses (9 credits)

- ▶ MSIS 601 Network Design & Implementation
- ▶ MSIS 602 Network Security
- ▶ MSIS 603 Network Virtualization

#### Electives: 6 credits from:

*Information Systems, Business, Software Development*

### Total number of required credits: 36

#### Prerequisite: May be added to your first semester

- ▶ MATH 130 Introduction to Statistics

## ADMISSION REQUIREMENTS

- ▶ Graduate admission application (available online)
- ▶ Official transcripts from your prior undergraduate and graduate colleges
- ▶ Personal Statement (Approximately 750 words discussing your education, experience, and your interest in attending this program at Marist)
- ▶ Resumé

For details, please contact  
Graduate Admission at

**(888) 877-7900**  
**graduate@marist.edu**



Scan to start applying.

## ADDITIONAL ADMISSION REQUIREMENTS— INTERNATIONAL BACHELOR'S DEGREES

Provide scans of documents for an admission decision.

- ▶ Undergraduate and graduate transcripts including mark sheets, consolidated mark sheet, and provisional certificate.
  - ▶ Minimum CGPA of 60%, 3/4, or First Class graduation.
  - ▶ Transcripts for degrees outside of the United States, India, Nepal, and Pakistan; require translations to United States grades.
  - ▶ Some 15-year degrees may require translation.
- ▶ English Proficiency minimum scores: Duolingo 115, IELTS 6.5 TOEFL 79, or PTE 58. (Duolingo is online. IELTS, TOEFL, and PTE exams must be taken at test centers.)
- ▶ **GRE is not required.**