

MARIST

MASTER OF SCIENCE IN INFORMATION SYSTEMS



The Marist College MSIS curriculum is simply outstanding. Every course was meaningful and helped significantly to grow my skills. I had the chance to work with technology professionals from all over the world.



Chaithanyakrishna Noti
MS '17

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 Math 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**
- ▶ *Forbes* lists Information Technology as #12 in the 100 Best Jobs for 2020.
- ▶ The *Occupational Outlook Handbook* shows a much faster than average job growth of 19% from 2016-2026.

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 world's first IBM LinuxOne III, with cutting-edge security capabilities.
- ▶ 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.

CONTACT US

P (888) 877-7900 • F (845) 575-3166
marist.edu/graduate • graduate@marist.edu

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 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

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

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:

MATH 130 Introduction to Statistics

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 7/10, or First Division 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.
- ▶ TOEFL, IELTS, PTE or Duolingo language score (minimum accepted scores 70 IBT TOEFL, 6.0 IELTS, 50 PTE, 95 Duolingo)
- ▶ The GRE is not required