PROGRAM DIRECTOR
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MISSION AND OBJECTIVES

The Master of Science in Information Systems (MSIS) offers excitement and challenges for the information age. The program helps students become knowledgeable professionals with a balanced combination of technical and managerial skills. Students acquire expertise and experience in information systems, technology, and business management. Specific areas of emphasis include eliciting client requirements, analyzing, planning, designing, developing, and implementing information systems applications, performing data analysis and business analytics, and managing information technology infrastructure and security. Students participate in team situations to enhance both their systems thinking and interpersonal skills. Behavioral, organizational, and financial knowledge and skill development support the technological central theme.

ONE DEGREE, THREE CONCENTRATIONS

The Master of Science in Information Systems at Marist College offers three concentrations to choose from while earning your MSIS degree. Graduate students interested in the program are encouraged to explore the concentration that best suits their interest, background and/or career goals.

Information Systems Management (ISM) Concentration

- Business application focus
- Practical applications of information systems in the workplace
- Specific career paths for the graduating ISM professional include systems analyst and/or designer, business analyst, project manager, IS auditor, and information systems manager.
- The foundation for professionals who aspire to become a Chief Information Officer (CIO)

Business Analytics (BA) Concentration

- Helps professionals gain expertise in accessing and manipulating data, and applying analytical techniques to extract information from data and use it to predict future trends and behavior patterns
- Students acquire hands-on experience with cutting-edge analytical methods and software tools, leveraging the use of information technology to help improve decision making.
- Provides exposure to practical applications using real-world data.
- Specific career paths for the graduating BA professional include data analyst/

architect, database administrator, business analyst, data science specialist, and business analytics manager.

- The foundation for professionals who aspire to become a Chief Data Officer (CDO)

Computer Networks and Security (CNS) Concentration

- Provides students with competence to investigate, design, implement, and troubleshoot emerging network and security technology
- Provides students with expertise in assessing an enterprise infrastructure for secure emerging solutions
- Provides students exposure to a practical state-of-the-art networking lab
- Specific career paths for the graduating CNS professional include security administrator, technical manager, systems administrator, network specialist, network operations manager, IT administrator, internet engineer, LAN/WAN engineer, or network administrator.
- The foundation for professionals who aspire to become a Chief Technology Officer (CTO)

EFFECTIVE COMMUNICATION SKILLS

As an information-systems graduate student, you should be aware that effective communication is a critical skill required of every student. In order to further develop and nurture a student's oral and written communication skills, the Marist pedagogy includes the following as critical success factors for students in information systems:

- dialogue, not lecture, is the primary teaching method used. Most of the courses in this program will require you to verbally interact with the instructor and/or your peers on a regular basis in class or online;
- participation in small-group or team situations. These are designed to help develop your systems thinking and to enhance your interpersonal skills both in and out of the classroom;
- oral presentations to your instructor, your class, or to a real client. These may be formal or informal presentations and will summarize your own work or that of some team of which you are a member;
- written reports or research papers which will help evaluate the effectiveness of your written communication skills and provide feedback for improving them.

The above demands and/or standards are applied universally to all students in the information-systems program.

APPLICATION REQUIREMENTS

In addition to the application materials addressed in the Admissions to Graduate Programs section of the General Information section of this catalog, applicants to the graduate program in Information Systems must submit the following:

- a current résumé;
- a written summary of technical or professional non-credit course training;

- a written statement which outlines the applicant's career objective(s), the reason(s) for selecting Marist's IS program, desired specialization, and the applicant's personal and professional expectations from the program;

- optionally, at the graduate director's discretion, two letters of recommendation may be required.

Admissions requirements for international students are outlined in the Application Requirements for International Students in the General Information section of this catalog.

TRANSFER CREDIT

A student may transfer up to six graduate credits from a regionally accredited graduate program. Only courses with grades of B or better will be accepted. Courses should be equivalent in content and credit value to courses offered in the Marist program. The graduate director of the IS program will determine the status of all transfer requests at the time of the application that includes previous graduate study.

MATRICULATION STATUS

Applicants who satisfy all admissions requirements are admitted as matriculated students. Applicants who are required to complete undergraduate prerequisite courses are admitted as either matriculated or non-matriculated students at the discretion of the Program Director. Occasionally, conditional admission is granted; students must meet the specified conditions to continue in the program.

DEGREE REQUIREMENTS

To qualify for the Master of Science degree in Information Systems, a student must normally complete 36 hours of work at the graduate level (excluding any pre- requisites). Course waivers may reduce this to as few as 30 credit hours.

As a rule, each student is expected to complete the IS degree as outlined at the time of admission to Marist College. Therefore, under normal circumstances transfer credit or waiver requests for graduate work taken elsewhere after admission to this program will not be granted. Such substitutions will only be considered for a substantive reason, such as relocation.

Upon acceptance into the program, graduate students receive a list of prescribed courses to be successfully completed. Specific undergraduate or graduate course work may be recommended to satisfy prerequisite requirements or remedy deficiencies as identified by the graduate director. IS degree requirements must be completed within seven (7) years of acceptance into the program with a cumulative index of 3.0 or higher. Requests for an extension of the seven-year limitation must be made in writing to the graduate director.

Part-time students are normally limited to registering for one graduate course during their first semester, unless special arrangements are approved in advance by the graduate director. Full-time study is defined as a semester load of at least nine graduate credits.

ADVISEMENT

The Program Director serves as the primary advisor to all students in the program. The Program Director regularly makes specific recommendations on course sequenc-

es to be followed by individual students, and approves all program planning requests made by students. Students should feel free to discuss any questions or concerns that they may have regarding their planned studies with the graduate director.

CAPSTONE ACTIVITY
The Information Systems Project course (MSIS 720) is the capstone course. It is expected that most courses will have been completed before the student enters this course. This will maximize the student's experience in the course while minimizing peer knowledge differences.

ACADEMIC STANDING
All students must maintain a 3.0 or higher cumulative average. Those below this average must repeat courses, starting with the courses in which the lowest grades were received, until a 3.0 or higher GPA is achieved. If a failing grade is received in a course, that course must be repeated at the next scheduled offering. All students requesting enrollment in the capping course must have a 3.0 or higher cumulative average. If, upon completion of the capstone course, the cumulative average falls below 3.0, then the capstone course affecting the average must be taken again.

Students who fall below a 3.0 cumulative average during a particular semester will be warned and placed on academic probation. The student will be given up to two semesters (at the Program Director's discretion) to recover an average of 3.0 or higher. Should the student fail to do so, the student will be automatically dismissed from the program.

COURSE SCHEDULING CONSIDERATIONS
The IS program offers a mixture of graduate courses both online and in the classroom on a regular basis. Specific schedules will be addressed by the Program Director as needs mandate.

SUBSTITUTE COURSES
In certain cases, the Program Director may include one or more substitute courses in a student's program. When this occurs, these substitute courses will become part of the degree requirements in place of the standard courses.

MASTER OF SCIENCE IN INFORMATION SYSTEMS COURSE REQUIREMENTS:

MSIS Core Required Courses (21 Credits)

MSIS 527	Systems & Information Concepts in Organizations	3 cr
MSIS 537	Data Management I	3 cr
MSIS 567	Data Communications	3 cr
MSIS 570	Systems Analysis & Design	3 cr
MBA 667	Accounting	3 cr
MSIS 720	Information Systems Project (capstone)	3 cr
MSIS 730	Information Systems Policy	3 cr

Specializations—choose one:

Information Systems Management Required Courses (6 credits)

MSIS 620	Emerging Technologies	3 cr
MSIS 621	Enterprise Architecture	3 cr

Electives:

9 credits from: Information Systems, Business, Software Development	9 cr

Prerequisite:

MATH 130	Introduction to Statistics

Business Analytics Required Courses (9 credits)

MSIS 545	Introduction to Data Analysis & Computational Statistics	3 cr
MSIS 637	Decision Support Systems	3 cr
MSIS 645	Data Mining & Predictive Analytics	3 cr

Electives:

6 credits from: Information Systems, Business, Software Development	6 cr

Prerequisite:

MATH 130	Introduction to Statistics

Computer Networks and Security Required Courses (9 credits)

MSIS 601	Network Design & Implementation	3 cr
MSIS 602	Network Security	3 cr
MSIS 603	Network Virtualization	3 cr

Electives:

6 credits from: Information Systems, Business, Software Development	6 cr

Prerequisites:

CMPT 307 Internetworking; MATH 130 Introduction to Statistics

It is strongly advised that the graduate director be consulted in the choice of these elective courses in order to help tailor the program to the student's specific needs.

Each student must consult with the IS graduate director to plan a course schedule to enable the student to complete the IS program in the most efficient time frame considering student desire, transfer credits or waivers, prerequisites, and possible scheduling information.

Advanced Certificate in Information Systems

PROGRAM DIRECTOR
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The 18-credit Advanced Certificate in Information Systems is designed to satisfy the professional needs of students who wish to acquire graduate-level knowledge in Information Systems (IS), but who do not wish to pursue a full graduate degree. It is offered for students who already possess a Master of Business Administration, a Master of Public Administration, or some other Master's degree program that contains or has been supplemented by a significant management-related component. The certificate program allows individuals who generally have little or no formal education in IS to develop an expanded graduate-level background in IS as an adjunct to their prior degree. Candidates who have taken an IS concentration at the graduate level at Marist are ineligible for this certificate.

Because the courses required demand considerable time and effort, only one course is permitted in the first semester (this requirement may be waived by the graduate director based upon recent prior academic performance). Students generally carry two to four courses per calendar year and take two years to complete the certificate. The maximum time permitted for completion is four years from admission into the program.

All courses taken in the certificate program are graduate IS courses and may be later applied to the IS graduate degree program provided the grades earned are B or better. However, because of the more comprehensive nature of the IS master's program, admissions requirements are more rigorous and additional technical competency may be gained through taking some prerequisite courses. Specific requirements would be identified when admission to the IS master's program is requested.

CERTIFICATE REQUIREMENTS
The Advanced Certificate in Information Systems is obtained upon satisfactory completion of six courses (18 credits) from the graduate Information Systems program as follows:

MSIS 527	Systems & Information Concepts in Organizations	3 credits
MSIS 537	Data Management I	3 credits
MSIS 567	Data Communications	3 credits
MSIS 647	Information Analysis	3 credits
MSIS 657	Systems Design	3 credits
MSIS 720	Information Systems Project	3 credits

ADMISSIONS REQUIREMENTS

Admission is based on prior academic performance and potential, a commitment to professional development, and demonstrated professional/leadership growth, as determined from the various documents submitted.

In addition to the application materials addressed in the Admissions to Graduate Programs section of the General Information section of this catalog, applicants to the graduate program in Information Systems must submit the following:

- a current résumé;
- a written summary of technical or professional non-credit course training;
- a written statement which outlines the applicant's career objective(s), the reason(s) for selecting Marist's Advanced Certificate in Information Systems, and the applicant's personal and professional expectations from the program;
- optionally, at the graduate director's discretion, two letters of recommendation may be required.

Students admitted on a non-matriculated basis are permitted to take three credits of course work. Upon completion of three credits, they will receive matriculated status if they have achieved at least a 3.0 GPA. All other prerequisites for matriculation must be met prior to receiving matriculated status. A cumulative 3.0 GPA is required to obtain the certificate

Advanced Certificate in Business Analytics

PROGRAM DIRECTOR
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The 12-credit Advanced Certificate in Business Analytics is aimed at helping professionals gain expertise in accessing and manipulating data, and applying analytical techniques to extract information from data and use it to predict future trends and behavior patterns. Students who complete the Advanced Certificate in Business Analytics develop expertise and skills in the areas of Data Management, Decision Making, Statistical Data Analysis, Management Science, Business Performance Management, Data Mining and Predictive Analytics. The field of business analytics has grown significantly over the last few years, providing business users with better insights from operational data stored in transactional systems. Business analytics stands today as one of the most strategically important fields in corporate information technology. Executives analyze sales trends and customer purchase patterns to improve their marketing strategies and better target customers with product offers and advertising. Students of the Advanced Certificate in Business Analytics acquire hands-on experience with cutting-edge analytical methods and software tools, leveraging the use of information technology to help improve decision making. The Certificate consists of a four course sequence (12 credits) that suits the needs of a broad audience of individuals in business, science, and technology across a wide range of domains. The list includes strategy managers, researchers (physics and engi-

neering, social science, medicine), business analysts and consultants, IT profession-als, advertising and marketing professionals, health care administrators and finance professionals. The program is offered in traditional and online format.

All courses taken in the certificate program are graduate IS courses and may be later applied to the IS graduate degree program provided the grades earned are B or better. However, because of the more comprehensive nature of the IS master's program, admissions requirements are more rigorous and additional technical compe-tency may be gained through taking some prerequisite courses. Specific requirements would be identified when admission to the IS master's program is requested.

Students generally carry two courses per semester, and take a calendar year to complete the certificate.

CERTIFICATE REQUIREMENTS

The Advanced Certificate in Business Analytics is obtained upon satisfactory com-pletion of four courses (12 credits) from the Graduate Information Systems program as follows:

MSIS 537	Data Management I	3 credits
MSIS 545	Introduction to Data Analysis & Computational Statistics	3 credits
MSIS 637	Decision Support Systems	3 credits
MSIS 591	Data Mining & Predictive Analytics	3 credits

SUGGESTED COURSE SEQUENCE

Assuming two courses per semester:

MSIS 537	Data Management
MSIS 545	Introduction to Data Analysis and Computational Statistics
MSIS 637	Decision Support Systems
MSIS 591	Data Mining and Predictive Analytics

ADMISSIONS REQUIREMENTS

Admission is based on prior academic performance and potential, a commitment to professional development, and demonstrated professional/leadership growth, as determined from the various documents submitted.

In addition to the application materials addressed in the Admissions to Graduate Programs section of the General Information section of this catalog, applicants to the graduate program in Information Systems must submit the following:

- a current résumé;
- a written summary of technical or professional non-credit course training;
- a written statement which outlines the applicant's career objective(s), the reason(s) for selecting Marist's Advanced Certificate in Business Analytics, and the applicant's personal and professional expectations from the program;
- optionally, at the graduate director's discretion, two letters of recommendation may be required.

Students admitted on a non-matriculated basis are permitted to take three credits of course work. Upon completion of three credits, they will receive matriculated status if they have achieved at least a 3.0 GPA. All other prerequisites for matriculation must be met prior to receiving matriculated status. A cumulative 3.0 GPA is required to obtain the certificate.

Graduate Courses in Information Systems

CORE COURSES (21 credits)

MSIS 527
Systems and Information Concepts in Organizations (SICO)
3 credits

The focus of this course is information, the design and application of systems used to manage it, and the benefits that can be derived from it in an organizational context. The reciprocal effects of organization and information technology are stressed to develop fundamental understanding of the impacts and demands of new technologies on organizations. Systems theory is used to develop the systems approach to problem solving in large global organizations. Several case studies covering such topics as value chain management, enterprise resource planning and competitive advantage are analyzed to further develop the skills and knowledge of the systems approach. MIS literacy is developed to build an adequate foundation for subsequent coursework in other areas.

MSIS 537
Data Management
3 credits

A study of the critical issues related to managing data in organizations. The concept of data as a resource, the data environment, the database approach, and the need for data modeling are examined in detail. The growing use of database management systems in managing data is discussed. The data administration function, its relevance in evolving organizations, and emerging issues are also addressed.

MSIS 567
Data Communication
3 credits

This course examines the concepts and mechanisms of data-transport systems including information in the form of data, voice, and image. Network architecture, terminology, control, and general topologies are discussed. Current equipment and physical interconnection are explored in an applied model incorporating a range of network services to support application development, distributed processing, information centers, and distance learning. Emphasis is placed on the impact of data-communications technology on organizations and on the design of future information systems.

MSIS 570
Systems Analysis and Design
3 credits

The primary objectives of this course are to introduce participants to concepts and techniques for analyzing problems and designing information systems that address those problems. Through team projects, students will develop an understanding of the systems development life cycle, the systems analyst's roles and responsibilities, and the interpersonal skills necessary to analyze business problems. Both managerial and technological aspects of systems design and implementation are considered, including the process of planning for change and post-implementation reviews. Emphasis is on a total systems solution rather than software alone. Students will study systems from the analysis through the implementation phase. Upon completion of the course, participants will understand how to identify and refine requirements, as well as how to complete process, data, and logic modeling within an object-oriented analysis framework.

MBA 667
Accounting
3 credits

Accounting: Accounting is an information system that lays the foundation for enlightened decision making. MBA accounting is to teach future business leaders rather than to educate accountants, therefore this course puts more emphasis on how accounting information impacts decision makers and less emphasis on information production. This course will provide students with an accounting toolkit and analytical skills,

including data analytics, that guide them in making the complicated decisions they will face as future business leaders. This course is organized into two modules. The first module focuses on the interpretation of financial accounting reports and evaluation of a firm's performance. This helps to analyze the financial reports filed by companies and understand the relevance of the information provided in evaluating company performance. The focus of the second module is on information used for internal decision making purposes. Topics include cost behavior and decision making, budgets and performance analysis, activity and differential analysis, balanced scorecard, and others.

MSIS 730
IS Policy
3 credits

Through the use of projects, this course fits together all of the concepts from previous courses regarding information development. The student gains experience in analyzing, designing, implementing, and evaluating information systems. Assignments consist of at least one systems development project involving all or part of the systems-development cycle. Students will work independently or in teams to acquire practical experience through such projects, including the behavioral considerations in systems development. The instructor(s) will act as evaluator(s) instead of teacher(s) since the course pragmatically tests the student's knowledge and skills gained previously in the program. The student's ability to apply the systems approach to the project as a whole and to individual components will be very closely evaluated.

MSIS 720
IS Project (capstone)
3 credits

Through the use of projects, this course fits together all of the concepts from previous courses regarding information systems development. The student gains experience in analyzing, designing, implementing, and evaluating information systems. Assignments consist of at least one systems development project involving all or part of the systems-development cycle. Students will work independently or in teams to acquire practical experience through such projects, including the behavioral considerations in systems development. The instructor(s) will act as evaluator(s) instead of teacher(s) since the course pragmatically tests the student's knowledge and skills gained previously in the program. The student's ability to apply the systems approach to the project as a whole and to individual components will be very closely evaluated.

CONCENTRATION COURSES

Information Systems Management Concentration (6 credits)

MSIS 620
Emerging Technologies
3 credits

This course will enhance and develop the students' knowledge in the management of emerging technologies, how they evolve, how to identify them and the effects of international, political, social, economic, and cultural factors on them. We will address why the management of emerging technologies are a "different game" from more mature technologies. This course will be a critical element in the students' ability to better manage the "process of technology-based innovation." We will discuss the management challenges posed by emerging technologies at the point where scientific research reveals a technological possibility and goes all the way to the commercialization of the technology into lead markets.

MSIS 621
Enterprise Architectures
3 credits

This course covers what every senior IT manager needs to know about using IT to enable strategy and get more value from IT. In this course we take the strategic perspective and study how leading firms get more value from their IT investments. The course focuses on the strategic impact and business value that can be achieved rather than the

details of the technology. This is an integrative course including issues of business strategy, technology and the study of organizations and people. The creation of business value requires the successful integration of these issues with the potential of IT.

Business Analytics Concentration (9 credits)

MSIS 545
Intro to Data Analysis and Computational Statistics
3 credits
This is an introductory course in data analysis with emphasis on statistical computation, analysis, simulation, modeling and prediction. A basic presentation of modern computational data analysis, graphics and inferential statistics is provided in a laboratory setting; students gain proficiency in using a statistical software platform such as R. The course will cover probability concepts, important distributions, descriptive statistics and graphical analysis, inferential statistics including confidence intervals, hypotheses testing and ANOVA, as well as correlation and linear regression in one and several covariates. Computational techniques such as the bootstrap and resampling as well as for simulations are stressed throughout. Principles and methods of statistical analysis are put into practice using a range of real-world data.

MSIS 637
Decision Support Systems
3 credits
This course covers concepts and tools that aid managerial decision making by applying analytic reasoning and computer-based tools to managerial problems. Managers are increasingly overwhelmed by the speed of decision making, the number of decisions, and the amount of data available to help make these decisions. Their success depends on their ability to extract business value from the raw data their organization collects. The course focuses on decision making techniques and tools including such topics as management science, model-driven decision support, data-driven DSS, expert systems, executive information systems and business intelligence.

MSIS 645
Data Mining and Predictive Analytics
3 credits
Data Mining & Predictive Analytics is the name given to a group of disciplines, technologies, applications and practices for analyzing data (usually based on past business performance) and building models to help enterprise users make better, faster business decisions. The course covers basic concepts, tasks, methods, and techniques in data mining, including data exploration, data preparation, classification, regression, clustering, association, and performance evaluation applied to predictive modeling.

Computer Networks and Security Concentration (9 credits)

MSIS 601
Network Design and Implementation
3 credits
Computer Networks continue to expand the technologies they must support. This course covers computer network design and implementation of industry preferred algorithms, protocols and technologies. Focus and emphasis is given to industry and research best practices and secure implementation and management. Problem solving techniques and network management tools are discussed and utilized while working with industry leaders networking equipment. Topics include LAN and WAN network design, network management, fault detection, configuration, secure protocol implementations, performance, and congestion control techniques. Strong focus on problem-solving skills and network management tools based on protocols like SNMP will be utilized.

MSIS 602
Network Security
3 credits

This course covers network security issues and solutions using a background of theoretical knowledge reinforced with practical implementation. This course will begin with learning what makes up the components of computer network security from the basics such as security services, access controls, vulnerabilities, threats and risk to network architectures and attacks. Once the basic components have been mastered, the focus and emphasis will transition to network security capabilities and the mechanics such as IPsec, Firewalls, Deep Packet Inspection, IDS and IPS.

MSIS 603
Network Virtualization
3 credits

Network Virtualization is an integral component in any network today. Network Virtualization is the key component to cloud computing whether it be a public cloud, private cloud or hybrid cloud environment. This course covers the origin, theory, enabling technology, design, and practical implementation of key components to build a network virtualization environment. The transformative architecture will be discussed in depth and utilized in case studies, while providing an implementation utilizing the technology studied.

Computer Science/Software Development and Information Systems Faculty

CHRIS ALGOZZINE Professional Lecturer of Computer Science, 2015. *Degrees:* B.S., Computer Science, Marist, 1989. M.S., Information Systems, Marist, 1995. *Specialties*: Management Information Systems. Project Management

KEVIN M. CALLAHAN Professional Lecturer of Information Technology, 2009. *Degrees*: B.S., Marist College; M.S., Marist College; M.S., University of Connecticut. *Specialties*: Information Systems.

ROBERT M. CANNISTRA Senior Professional Lecturer of Information Technology, 2002. *Degrees:* B.S., State University of New York at Brockport; M.S., Marist College. *Specialties:* Data Communications and Networks

RONALD COLEMAN Associate Professor of Computer Science and Information Technology, 2002. *Degrees:* B.S., City College of New York; Ph.D., Polytechnic University. *Specialties:* Algorithms, Software Development, Distributed computing

CASIMER DECUSATIS Assistant Professor, 2014. *Degrees:* B.S. Engineering Science & Mechanics, Pennsylvania State University; M.S. Electrical, Computer & Systems Engineering, Rensselaer Polytechnic Institute; Ph.D. Electrical, Computer & Systems Engineering, Rensselaer Polytechnic Institute. *Specialties*: Cloud Computing, Fiber Optical Networking and Wavelength Multiplexing, Data Communications, Software-Defined Networking, Network Function Virtualization, Cyber-Security

CENK ERDIL Assistant Professor of Computer Science, 2015. *Degrees:* B.S., Marmara University, Istanbul, Turkey; M.E., Pennsylvania State University; Ph.D., State University of New York at Binghamton. *Specialties*: Grid Resource Matching, Self-Organizing Clouds

JAMES HELMREICH Associate Professor of Mathematics, 1992. *Degrees:* B.A., Bowdoin College; M.A., University of Maryland; Ph.D., University of Maryland; M.S., SUNY Albany; *Specialties:* Statistics, R, Pedagogy

MATTHEW A. JOHNSON Professional Lecturer of Computer Science, Information Technology and Systems, 2007. *Degrees:* B.S., State University of New York at New Paltz; M.S., State University of New York at New Paltz. *Specialties:* Web Programming, Unix/Linux Operating Systems & Administration, Computer Graphics

ALAN G. LABOUSEUR Assistant Professor of Computer Science, 2003. *Degrees:* B.S., Marist College; M.S., Pace University; Ph.D., State University of New York at Albany. *Specialties:* Software Development, Database Systems, Internet-enabled Applications

EITEL J.M. LAURÍA Professor of Information Technology & Systems, and Director of Graduate Programs, 2002. *Degrees:* Electrical Engineering, Universidad de Buenos Aires (Argentina); M.B.A., Universidad del Salvador (Argentina) / Universidad de Deusto (Spain); Ph.D., State University of New York at Albany. *Specialties:* Data Science, Data Management; Decision Support Systems; Data Mining & Predictive Analytics; Machine Learning; Learning Analytics

ANNE MATHEUS Associate Professor of Information Systems, 2001. *Degrees:* B.A., Marist College; M.A., Marist College; M.S.C.S., Marist College. Ph.D., State University of New York at Albany. *Specialties:* Information Decision Systems; Organizational Studies, Data Communications

CAROLYN MATHEUS Assistant Professor of Information Systems, 2009. *Degrees:* B.A., Marist College; M.A., Marist College; M.S.C.S., Marist College. *Specialties:* Organizational Studies, Management Information Systems

ROGER NORTON Dean of Computer Science, 1980. *Degrees:* B.S., University of Massachusetts; M.A., Brandeis University; Ph.D., Syracuse University. *Specialties:* Semantics of Programming Languages; Object-Oriented Programming; Distributed Computing; Grid Computing

PABLO RIVAS Assistant Professor of Computer Science, 2015. *Degrees:* B.S. in Computer Science, Nogales Institute of Technology, Mexico; M.Sc. in Electrical Engineering, Chihuahua Institute of Technology, Mexico; Ph.D. in Electrical and Computer Engineering, The University of Texas at El Paso; Postdoc at the Computer Science Department, Baylor University. *Specialties*: Machine learning and data science for the social good. How technology can be used to do social justice.

DONALD R. SCHWARTZ Associate Professor of Computer Science, 2013. *Degrees:* B.S., University of Louisiana at Lafayette, M.S., University of Louisiana at Lafayette, Ph.D., University of Louisiana at Lafayette. *Specialties:* Software Engineering, Database, Service Learning

BOWU ZHANG Assistant Professor of Computer Science, 2015. *Degrees:* B.S. in Electrical Engineering, University of Science and Technology of China, Ph.D. in Computer Science, the George Washington University. *Specialties*: Distributed Systems, Machine Learning, Data Science