



*Master of Science*

# Management Information Systems



**Benedictine University**

**Information technology professionals face the challenge of providing reliable, accurate and timely information to meet the demands of society's growing dependence on information technology.** The Master of Science (M.S.) in Management

Information Systems program is designed for professionals who understand the strategic value of information resources and the importance of managing these resources throughout an organization.

**The Benedictine M.S. in Management Information Systems program is centered on an interdisciplinary approach** that meets the needs of organizations seeking an alignment between business goals and information technology. Students become technically proficient and able to address issues such as the creative application, effective

management, and organizational and societal impacts of information technology by combining information technology coursework with coursework in one of several concentrations.

**The program emphasizes practical application of various business management theories and technical tools to a variety of hypothetical and real-life problems.** Students gain an appreciation of the complex challenges associated with the management of information technology through group interaction, comprehensive projects, case analysis, research and active participation in the sharing of individual experience. It is through these varied teaching methods that students are prepared to be leaders well into the 21st century.

## Program Overview •••

## Program Concentrations •••

### Accounting and Financial Systems

The Accounting and Financial Systems concentration addresses the needs of organizations that expect meaningful, timely and accessible financial information. These organizations expect appropriate responses to privacy, security, regulatory and legal requirements. This concentration is designed for students in accounting or financial management positions who have significant interaction with the financial functions of their organizations or who are considering a M.S. in Accountancy as a dual degree.

### Business Administration

The Business Administration concentration provides a broad business background with exposure to major business functions such as accounting, finance, marketing, operations and organizational behavior. It is most appropriate for students who have or expect to have significant interaction with all functions within an organization. It is also appropriate for those students who are considering a Master of Business Administration (M.B.A.) as a dual degree.

### Business Analytics

The Business Analytics concentration focuses on the skills, technologies and applications for investigation of past business performance to gain insight and drive business planning. It makes extensive use of data, statistical and quantitative analysis, explanatory and predictive modeling, and fact-based management to drive decision-making. The concentration is appropriate for students in functional business units as well as information technology.

### Health Information Systems Management

The concentration in Health Information Systems Management lays a foundation for managing information technology in the administration of health care services. It is important for information systems and health care professionals to effectively manage and apply information technologies specific to health care. This concentration is appropriate for students considering a Master of Public Health (M.P.H.) as a dual degree.

### Information Security

Businesses and consumers increasingly rely on Internet and web services. Needs are growing for system security professionals who can help design, configure, implement, manage, support and secure computer systems. This concentration is designed to explore the challenges and possible solutions to information systems security.

### Integrated Marketing Communications

Integrated marketing communications (IMC) is a customer-centric, data-driven approach to planning and communicating with consumers. IMC is the management of all organizational communications to build positive relationships with customers and other stakeholders, stressing marketing to the individual by understanding their needs, motivations, attitudes and behaviors. IMC emphasizes Internet-based marketing communication tools along with the traditional communication tools used by marketing professionals.

### Management and Organizational Behavior

The Management and Organizational Behavior concentration emphasizes organizational behavior, organization development and human resource skills critical in creating high-performance work teams to design, construct and implement information technology projects successfully. It is most appropriate for students who wish to emphasize people-related skills. It is also appropriate for students who are considering an M.S. in Management and Organizational Behavior as a dual degree.

### Professional Internship

The full-time internship program is developed specifically for recent college graduates and offers a professional internship experience as the M.S. in Management Information Systems concentration. Students complete 64 quarter credit hours in M.S. in Management Information Systems courses including 12 quarter credit hours in internship courses. The goal of the internship experience is to prepare students without significant professional career experience for their future roles and responsibilities in the workplace.

### Project Management

Project management is one of the world's most in-demand skill sets spanning all industries and sectors of business. Project management leadership is a highly sought-after skill as intense global competition demands that new projects and business development be completed on time and within budget. Courses offer the student an understanding of organizational behavior as it relates to the individual, effective team building skills, conflict management and resolution, as well as skills to effectively manage the financial side of projects.

**The M.S. in Management Information Systems program requires 64 quarter credit hours integrating management information systems core courses with courses in one of several concentrations.**

The curriculum is offered in a structured yet flexible format with required and elective courses offered annually. By completing two courses (8 quarter credit hours) per term as a full-time course of study, professionals may earn the M.S. in Management Information Systems in two years. Advisors can help students matriculate into the program at each of the four quarters (fall, winter, spring or summer). An advisor may also devise a part-time program of study.

### Dual Degree Options

Students who earn the M.S. in Management Information Systems may wish to consider completing a second graduate degree by taking an additional 32 quarter credit hours in Accountancy, Business Administration, Business Analytics, Management and Organizational Behavior or Public Health. Application and admission are required for each graduate program and students must complete all requirements for the selected dual degree.

## Curriculum • • •

### Typical Fall Quarter Course Offerings

MIS 546	Systems Analysis and Design (4)
MIS 642	Financial Information Systems (2)
MIS/MSBA 663	Machine Learning (4)
MIS 677	Decision Support and Knowledge-based Systems (4)
MIS/MBA 683	Project Management (4)

### Typical Winter Quarter Course Offerings

MIS 609	Computer Fraud (4)
MIS 654	Enterprise-Wide Information Systems (4)
MIS 656	Information Systems Security (4)
MIS 657	Electronic Commerce (4)
MIS/MSBA 659	Business Analytics (4)
MIS 681	Network Planning (2)
MIS 682	Network Design (2)
MIS/MBA 683	Project Management (4)

### Typical Spring Quarter Course Offerings

MIS 545	Computer Organization and Architecture (4)
MIS 616	Information Systems Auditing (4)
MIS 648	Information Management in Health Care (2)
MIS 649	Advanced Topics in Health Information Systems Management (2)
MIS 674	Database Management Systems (4)
MIS/MBA 683	Project Management (4)
MIS 689	Strategic Information Technology Management (4)

### Typical Summer Quarter Course Offerings

MIS 655	Computer and Network Systems Security (4)
MIS 658	Managing IT Facilities (2)
MIS/MBA 683	Project Management (4)

Please visit [ben.edu/registrar](http://ben.edu/registrar) for more program information, including course descriptions; please see [ben.edu/benulive](http://ben.edu/benulive) for the online schedule of M.S. in Accountancy, M.S. in Business Analytics, M.S. in Management Information Systems, M.B.A., M.S. in Management and Organizational Behavior and M.P.H. courses available each quarter.

## Program Options • • •

### 4+1 M.S. in Management Information Systems Program

Well-qualified Benedictine University students who complete an undergraduate degree in Accounting, Business Analytics, Business and Economics, Business with Science Applications, Computer Science, Computer Information Systems, Economics, Finance, International Business and Economics, Management and Organizational Behavior, or Marketing may be eligible to complete the M.S. in Management Information Systems with one additional year of full-time graduate study. The full-time 4+1 M.S. in Management Information Systems program is developed specifically for recent college graduates. Admission to the program is not automatic and an application must be completed during the student's senior year of undergraduate coursework. Classes are conducted during evenings and weekends to meet the needs of busy students.

### Certificates

Certificate programs are designed for concentrated focus beyond the core M.S. in Management Information Systems curriculum. Certificates are offered in:

- Business Analyst
- Business Analytics
- Electronic Commerce
- Health Information Systems Management
- Information Security
- Information Systems Management
- Integrated Marketing Communications
- Project Management

*"I appreciate all that the M.S. in Management Information Systems program has done for me as I transitioned my career into information services. I've learned a breadth of computer topics and skills as well as how business incorporates information technology for growth, operations and analytics. I secured my current job before I completed all my coursework because of my experiences in the classroom and the great teaching staff."*

Jonathan Baker, M.S.'13  
(Management Information Systems)  
Requirements Analyst, Aon Hewitt

## Faculty

### Full-Time Faculty

**Ron P. Baiman, Ph.D.**

*Assistant Professor, Department of Graduate Business Administration Program (2013)*

Ph.D., 1992, M.A., 1981, New School for Social Research  
B.Sc., 1973, Hebrew University

**Sharon Borowicz, Ph.D., EA**

*Associate Professor, Master of Business Administration, Master of Science in Accountancy and Master of Science in Taxation Programs (2005)*

Ph.D., 2003, Benedictine University  
M.B.A., 1992, Roosevelt University  
B.S., 1982, Elmhurst College

**John C. Draut, M.B.A.**

*Instructor and Program Director, Master of Science in Accountancy Program (2008)*

M.B.A., 1981, DePaul University  
B.S., 1970, University of Illinois

**Ricky M. Holman, J.D.**

*Assistant Professor and Department Chair, Department of Graduate Business Administration Program (2013)*

J.D., 1988, Thomas M. Cooley Law School  
B.S., 1977, George Mason University

**Daniel E. Nohl, Ph.D.**

*Professor, Computer Science and Information Systems Program (1987)*

Ph.D., 1990, Illinois Institute of Technology  
M.S., 1977, B.S., 1973, University of Illinois

**Barbara T. Ozog, Ph.D.**

*Program Director and Professor, Master of Science in Management Information Systems and Master of Science in Business Analytics Programs (1992)*  
Ph.D., 1985, M.S., 1979, Northwestern University  
B.S., 1977, Loyola University Chicago

**Peter F. Sorensen Jr., Ph.D., RODC**

*Chair and Professor, Department of Management and Organizational Behavior Program (1985)*  
Ph.D., 1971, Illinois Institute of Technology  
M.A., 1966, B.A., 1961, Roosevelt University

**Therese F. Yaeger, Ph.D.**

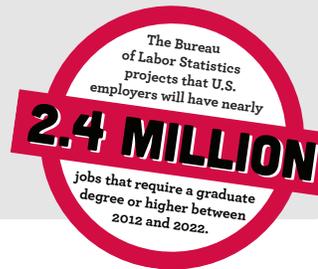
*Professor, Department of Management and Organizational Behavior Program (2007)*

Ph.D., 2001, M.S., 1996, B.A., 1995, Benedictine University

**Thomas Yu, Ph.D.**

*Assistant Professor, Department of Graduate Business Administration Program (2008)*

Ph.D., 1978, Texas A&M University  
M.S., 1973, Arizona State University  
B.S., 1971, Montana State University



**Benedictine University®**

*Informing Today. Transforming Tomorrow.®*

## Lecturers

### Senior Lecturers

George Chakrabarty, M.B.A., MCPM  
Ann H. Fulmer, M.S.  
Edwin J. Kocinski, M.B.A.  
John Malec, M.A.  
Ronald G. Revers, Ph.D.  
Bernard Silverman, Ph.D.  
James C. Zoda, Ph.D.

### Lecturers

Ruth Chen, Ph.D.  
Tsun Chow, Ph.D.  
Bryan J. Eckert, M.B.A.  
Chris Fernandez, Ph.D.  
William H. Kuglich, M.S.  
Edmund M. Manrique, M.S., M.B.A.  
William Payne, M.S.  
Sam Russo, M.S., M.B.A.  
Greg Sellers, Ph.D.  
Martin Mark Sowa, M.A., M.B.A.  
Nathan Patrick Taylor, M.S., M.P.H.  
Derrick Walters, Ed.D. (ABD), M.B.A., PMP, ITIL

The individuals listed above have been employed on an as-needed basis to teach courses at Benedictine University within the last several years. Instructors listed may not currently be employed by Benedictine University. The University is fortunate to be able to provide our students with part-time faculty whose experience, credentials and commitment to education add to the high quality of our resident faculty.



Benedictine University is located in Lisle, Illinois, just 25 miles west of Chicago, and has branch campuses in Springfield, Illinois, and Mesa, Arizona. Founded as a Catholic university in 1887, Benedictine enrolls 10,058 students in 56 undergraduate and 20 graduate programs.

The Annual Security Report and Annual Fire Safety Report are available at [ben.edu/police](http://ben.edu/police).

**For more information, call the Enrollment Center at (630) 829-6300, email [admissions@ben.edu](mailto:admissions@ben.edu) or visit [ben.edu](http://ben.edu).**

Benedictine University · 5700 College Rd. · Lisle, IL 60532

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