

# MANAGEMENT INFORMATION SYSTEMS

## B.S. in Management Information Systems

The Management Information Systems degree prepares graduates to be managers in the field of computer-based information systems. Managers need to understand technology's impact on business operations including management, accounting, finance, and marketing. Graduates will understand Enterprise Information Management (EIM) as the set of business processes and practices used to manage information created from an organization's data.

### Program Goals

Upon completion of the management information systems program:

- Students will demonstrate their abilities to identify ethical dilemmas and responsible courses of action.
- Students will demonstrate an understanding of functional areas of business.
- Students will reflect on how and why to integrate a Christian or personal faith perspective into work and life.
- Students will demonstrate effective written communication skills.
- Students will demonstrate effective oral communication skills.
- Students will use a variety of digital software applications and tools to make data-driven decisions in information-rich business environments.
- Students will demonstrate the ability to explore issues, ideas, and/or events before accepting or formulating an opinion or conclusion.
- Students will apply business knowledge and skills in a real-world setting by completing a project for an organization.

## Minor in Management Information Systems (MIS)

- Management Information Systems (MIS) minor. (<http://catalog.bethel.edu/adult-professional->

[studies/academic-programs-disciplines/  
management-information-systems/minor-mis\)](#)

### ACCT 400 • Financial Accounting for Managers. 3 Credits.

Introduction to financial accounting concepts as the language of business. Financial decision-making using key ratios and financial statements. Managerial understanding of principles of stewardship and ethical issues found in accounting.

*Prerequisites: BUSN 360 and 2 courses from BUSN 301, BUSN 302, BUSN 308, BUSN 310E, BUSN 320, BUSN 323, MATH 301M.*

### BUSN 301 • Foundations of Business Management. 3 Credits.

An exploration of the foundations of modern management theory and practice including how external and internal environmental factors impact the practice of business management. Topics such as global forces, political and legal forces, socio-cultural forces and demographic forces will be used to develop an understanding of the complexities in business management today.

### BUSN 302 • Foundations of Human Resource Management. 3 Credits.

Introduction to the functional area of business called human resources management. Study the functions of attracting, retaining, motivating and managing the people who work in organizations. Study how human resources is involved in the recruitment, selection, employment, compensation, training, development, safety and termination of employees.

*Special Notes: Enrollment is open to students with sophomore class standing and above.*

### BUSN 320 • Professional Project Management. 3 Credits.

Introduction to the principles of project management including the role of the project manager, types of projects, stages of a project, project variables, and project processes. Examines the organization, planning, and controlling of projects and provides practical knowledge on managing project scope, schedule and resources.

### BUSN 323 • Introduction to Marketing Management. 3 Credits.

Study of marketing concepts and decision-making processes related to marketing management in a marketing-oriented firm. Examination of key strategies of consumer and business-to-business marketing and mission-critical variables from within a relationship marketing focus. Development of a course project and its presentation to a business audience using state-of-the-art business presentation techniques.

## Management Information Systems 2

### **BUSN 360 • Information Technology and Applications.** 3 Credits.

Understand and use information technology and business applications software to solve business-related problems. Collaboration tools, social media tools, databases, and spreadsheets. Ethical issues with data and information management.

*Fulfills: CAPS Goal Area 3. Special Notes: Enrollment is open to students with sophomore class standing and above.*

### **BUSN 405 • Survey of Microeconomics and Macroeconomics.** 3 Credits.

Explores economic theories and tools and how they are applied to business. Investigates principles and concepts of microeconomics and macroeconomics.

*Prerequisites: 3 courses from BUSN 301, BUSN 302, BUSN 308, BUSN 310E, BUSN 320, BUSN 323, BUSN 360, MATH 301M. Fulfills: CAPS Goal Area 5.*

### **BUSN 425H • Applied Ethical Decisions in Life and Business.** 3 Credits.

Provision of a basis for ethical problem solving and the application of ethical principles to issues of moral perplexity. These issues are surfaced by ethical pluralism, cultural diversity, resource allocation, equal opportunity requirements, workplace dignity and fairness, varying economic and market conditions, and conflicts between organizational imperatives and Christian values.

*Prerequisites: 3 courses from BUSN 301, BUSN 302, BUSN 308, BUSN 310E, BUSN 320, BUSN 323, BUSN 360, MATH 301M. Fulfills: CAPS Goal Area 6 General Education Category H.*

### **BUSN 491 • Business Capstone.** 1 Credit.

Demonstrate professional and personal growth by synthesizing business content learned during the degree program. Deliver a client-focused solution to an organizational need by engaging in experiential learning. Collaborate with classmates and/or organizational representatives. Participate in career exploration and development experiences.

*Prerequisites: 10 courses from ACCT300-489, BUSN300-489, BUSN 675, FINA300-489, MATH 301M, and MIST300-499. Special Notes: Prior completion of BUSN 320 recommended.*

### **FINA 400 • Corporate Finance.** 3 Credits.

Examines financial concepts from a managerial decision maker's point of view. Explores the conceptual understanding and practical application of financial information, including the time value of money, breakeven, leverage, capital budgeting, and cost of capital. Integrates financial and other business management disciplines in a business simulation.

*Prerequisites: ACCT 400, BUSN 360 and 1 course from BUSN 301, BUSN 302, BUSN 308, BUSN 310E, BUSN 320, BUSN 323, MATH 301M.*

### **MATH 301M • Managerial Mathematics.** 3 Credits.

Study of mathematically based procedures, including analytical procedures, decision-making models, and statistics.

*Prerequisites: BUSN 360. Fulfills: CAPS Goal Area 4. Special Notes: Enrollment is open to students with sophomore class standing and above.*

### **MIST 400 • Foundations of Information Management Systems.** 3 Credits.

Exploration of the history, uses and functions of information management systems as well as their role within current business innovation. Understanding of security risks, architecture, and various enterprise information system types. Application of the Systems Development Lifecycle. Consideration of Christian or personal worldview in relation to information management systems.

*Prerequisites: BUSN 360 Fulfills: CAPS Goal Area 3.*

### **MIST 410 • Information Systems Analysis and Design.** 3 Credits.

Understanding of the systems development life cycle, written documentation for information systems, and project management. Assessment of analysis and design tools and techniques. Application of systems analysis and design techniques to business analysis problems. Exploration of information management systems from the perspective of a Christian or personal worldview.

*Prerequisites: MIST 400 and 3 courses from BUSN 301, BUSN 302, BUSN 308, BUSN 310E, BUSN 320, BUSN 323, BUSN 360, MATH 301M. Fulfills: CAPS Goal Area 3.*

### **MIST 420 • Business Database Management.** 3 Credits.

Explanation of data modeling, the role of Enterprise Information Management, and database security issues and solutions. Description of data control with integrity. Application of SQL data querying techniques. Application of data warehouse, data mining and data visualization concepts in relation to database management.

*Prerequisites: MIST 400. Fulfills: CAPS Goal Areas 2, 3.*

### **MIST 430 • Introduction to Business Programming.** 3 Credits.

Exploration of the evolution and categories of programming languages. Application of testing and debugging techniques. Use of object-oriented programming and dynamic scripting languages. Connection of programming languages to the language of the Bible using a Christian or personal worldview.

*Prerequisites: MATH 301M. Fulfills: CAPS Goal Area 3.*

**MIST 440 • Administration of Management Information Systems.** 3 Credits.

Explanation of directories and directory services, including their uses in networked environments. Differentiation between hardware and software requirements for information systems. Design and implementation of identity and access management services. Understanding of implementation issues as well as ethical issues that may arise from administration of MIS.

*Prerequisites: MIST 400 and 3 courses from BUSN 301, BUSN 302, BUSN 308, BUSN 310E, BUSN 320, BUSN 323, BUSN 360, MATH 301M. Fulfills: CAPS Goal Area 2, 3.*

**MIST 450 • Information Systems Security.** 3 Credits.

Examination of information security concepts, risk management, and both functions of and relationships among laws, regulations, and professional organizations. Identification of the differences between physical and virtual security threats and vulnerabilities. Characterization of typical security architectures. Creation of a security plan.

*Prerequisites: MIST 400 and 3 courses from BUSN 301, BUSN 302, BUSN 308, BUSN 310E, BUSN 320, BUSN 323, BUSN 360, MATH 301M. Fulfills: CAPS Goal Areas 2, 3.*

**MIST 481 • Academic Internship in Management Information Systems.** 2-4 Credits.

A learning/practicing experience in a government, social organization or agency, church, or business environment where the student applies a body of knowledge and skills in a structured, non-classroom setting. See Individualized Study for policy.

Note: BUSN 491 is a 1 credit course through Fall 2018.

Effective Spring 2019, BUSN 491 will be a 3 credit course.