

# 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

The program goals for the B.S. in Management Information Systems are that students will be able to:

- Apply ethical principles related to management information systems.
- Demonstrate systems-thinking by applying management information systems concepts to the functional areas of management, marketing, accounting, finance and economics to accomplish organizational goals.
- Reflect on how and why to integrate a Christian or personal faith perspective into work and life.
- Demonstrate written and oral business communication skills about information systems and business issues.
- Use a variety of digital software applications and tools to make data-driven decisions in information-rich business environments.
- Develop a managerial perspective on business opportunities and challenges in a global economy.
- Use critical thinking to evaluate information needed to solve information systems problems.

### ACCT400 • 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: BUSN360 and 2 courses from BUSN301, BUSN302, BUSN308, BUSN310E, BUSN320, BUSN323, MATH301M.*

### BUSN301 • 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.

### BUSN302 • 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.*

### BUSN320 • 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.

### BUSN323 • 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.

### BUSN360 • 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.*

## Management Information Systems 2

### **BUSN405 • 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 BUSN301, BUSN302, BUSN308, BUSN310E, BUSN320, BUSN323, BUSN360, MATH301M. *Fulfills:* CAPS Goal Area 5.

### **BUSN425H • 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 BUSN301, BUSN302, BUSN308, BUSN310E, BUSN320, BUSN323, BUSN360, MATH301M. *Fulfills:* CAPS Goal Area 6 General Education Category H.

### **BUSN491 • 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, AVIA300-489, BUSN300-489, BUSN575, FINA300-489, MATH301M, and MIST300-499. *Special Notes:* Prior completion of BUSN320 recommended.

### **FINA400 • 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:* BUSN360 and 2 courses from BUSN301, BUSN302, BUSN308, BUSN310E, BUSN320, BUSN323, MATH301M.

### **MATH301M • Managerial Mathematics.** 3 Credits.

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

*Prerequisites:* BUSN360 *Fulfills:* CAPS Goal Area 4. *Special Notes:* Enrollment is open to students with sophomore class standing and above.

### **MIST400 • 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:* BUSN360 *Fulfills:* CAPS Goal Area 3.

### **MIST410 • 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:* MIST400 and 3 courses from BUSN301, BUSN302, BUSN308, BUSN310E, BUSN320, BUSN323, BUSN360, MATH301M. *Fulfills:* CAPS Goal Area 3.

### **MIST420 • Business Database Management.** 3 Credits.

Introduction to database design and database management in business. Role of Enterprise Information Management (EIM). Analysis, design, and implementation of organizational databases including data modeling, database management systems, data-based information systems design, security, and data quality assurance.

*Prerequisites:* MIST400 and 3 courses from BUSN301, BUSN302, BUSN308, BUSN310E, BUSN320, BUSN323, BUSN360, MATH301M. *Fulfills:* CAPS Goal Areas 2 & 3.

### **MIST430 • Introduction to Business Programming.** 3 Credits.

Fundamentals of programming languages, debugging and testing techniques, and use of business programming to develop business problem-solving skills.

*Prerequisites:* MIST400 and 3 courses from BUSN301, BUSN302, BUSN308, BUSN310E, BUSN320, BUSN323, BUSN360, MATH301M. *Fulfills:* CAPS Goal Area 3.

### **MIST440 • Administration of Management Information Systems.** 3 Credits.

Network security issues. Directories, directory services and their uses in network environments. Hardware and software requirements for information systems. Ethical issues that arise in network administration. Design and implementation of a Novell Directory Services (NDS) installation. Design and implementation of a Microsoft Active Directory (AD) installation.

*Prerequisites:* MIST400 and 3 courses from BUSN301, BUSN302, BUSN308, BUSN310E, BUSN320, BUSN323, BUSN360, MATH301M. *Fulfills:* CAPS Goal Area 3.

**MIST450 • Information Systems Security.** 3 Credits.  
Fundamentals of information security, computer security technology, access control mechanisms, cryptography algorithms, software security, physical security, and security management and risk assessment.

*Prerequisites: MIST400 and 3 courses from BUSN301, BUSN302, BUSN308, BUSN310E, BUSN320, BUSN323, BUSN360, MATH301M. Fulfills: CAPS Goal Areas 2, 3.*