Management Information Systems

Management Information Systems (MIS) professionals design, develop and manage information systems for efficient and effective operation of businesses, government, and nonprofit organizations. Students in EIU’s MIS major develop a strong foundation of business skills and knowledge complemented by additional study of programming, web site design, information systems theory, systems analysis, database management, enterprise resource planning systems, and networking.

Become an MIS Major!

MIS is one of six majors at EIU’s School of Business.

Students who succeed as MIS Majors are:

- Able to work independently
- Able to teach others
- Self-directed and proactive
- Effective team members

The MIS Major curriculum emphasizes excellent written and oral communication skills; analyzing and resolving problems; technical skills; creativity, with good design and layout skills; knowledge of Internet and network technologies; and good people skills.

Careers in MIS

As an EIU management information systems major, you will develop databases, create programs, work with enterprise resource planning systems, manage local area networks, and develop web sites as you gain the knowledge and skills necessary for a successful career in information systems. Because computer technology is integral to the operations of businesses, government, and nonprofit organizations, you can choose from a variety of career opportunities. Entry level positions are available in various areas including:

- Applications developer
- Data communication analyst
- Database analyst
- Mobile app developer
- Network analyst
- Programmer analyst
- Server administrator
- Software specialist
- Systems analyst
- Tech support specialist
- Web developer
- Web manager

After several years of experience, MIS majors can move into managerial or other positions such as:

- Database administrator
- Director of information systems
- Network administrator

EIU’s School of Business is accredited by the Association to Advance Collegiate Schools of Business International (AACSB). AACSB is the premier accreditation body for institutions offering degrees in business and accounting.

Professional Development Opportunities

Make a successful transition from college to career by enhancing the knowledge and skills you learn in the classroom through professional development activities. To gain a competitive edge in starting your career you can:

- Be a student leader by participating in EIU’s award-winning student business organizations including the Association of Information Technology Professionals (AITP).
- Complete a management information systems internship to apply your academic skills and knowledge in the “real world,” polish your professional skills, and gain a head start on your career.
- Enhance your skills using the latest business technology including up-to-date computer and networking labs.
- Study abroad to gain international experience that will help prepare you for the competitive global marketplace.
- Participate in career development activities such as mock interviews and resume workshops, job shadowing, and business etiquette programs to gain the skills and confidence to begin your career successfully.
- Conduct in-depth study by working on an information systems research project with an MIS professor.

School of Business Eastern Illinois University 217-581-3528 www.eiu.edu/business/mis.php business@eiu.edu
**MIS Curriculum Requirements**
A grade of C or better is required in courses designated with an arrow (†).

### EIU General Education Curriculum:
- ENG 1001G College Composition I
- ENG 2002G College Composition II
- CMN 1310G Introduction to Speech Communication
- MAT 2120G Finite Mathematics
- ECN 2801G Principles of Macroeconomics
- ECN 2802G Principles of Microeconomics

Students also must fulfill the University foreign language requirement (two courses in a single foreign language) unless exempt based on high school course work.

### Critical Thinking & Quantitative Reasoning Course:
CTQR Course Options: CMN2040, ECN3450, GEO3810, MAT2110G, MIS3505, OSC3800, OSC4820 (May double count as MIS elective), PHI1900G, PHI1990G

### Business Core Curriculum (prerequisites required):
- BUS 1000 Introductory Business Seminar
- BUS 1950 Computer Concepts and Applications for Business
- BUS 2101 Financial Accounting
- BUS 2102 Managerial Accounting (BUS 2101)
- BUS 2750 Legal & Social Environment of Business (ENG1002G)
- BUS 2810 Business Statistics (BUS1950)
- BUS 3010 Management & Organizational Behavior (60 hours)
- BUS 3200 International Business (BUS2750, ECN2810G, ECN2820G)
- BUS 3470 Principles of Marketing (BUS2810, MAT2120G)
- BUS 3500 Mgmt Information Systems (BUS1950, MAT2120G)
- BUS 3710 Business Financial Mgmt (BUS 2101, MAT2120G)
- BUS 3950 Operations Mgmt (BUS 2810, MAT2120G)
- BUS 4360 Strategy and Policy (Capstone for Senior Year)

### MIS Core (requires BUS 1950):
- MIS 2000 Intro to Business Logic and Programming Skills
- MIS 3200 Networking Fundamentals
- MIS 3530 Business Web Site Design (30 hours)
- MIS 4200 Syst & DB Analysis, Design & Dev (BUS3500, MIS2000)
- OSC 3430 Enterprise Resource Planning Systems (60 hours)

### MIS Electives (prerequisites required):
Complete 4 from the following courses (at least 3 with the MIS prefix):
- MIS 3300 Business Programming in COBOL (60 hrs, MIS2000)
- MIS 3330 Java Programming (MIS2000)
- MIS 3505 Adv Microcomputer Apps & Dev (BUS1950 & 2810)
- MIS 3970 Study Abroad^†
- MIS 4275 Internship in MIS^†
- MIS 4330 Advanced Java Programming (MIS3330)
- MIS 4420 Adv VB.NET Bus Programming (60 hrs, MIS2000)
- MIS 4530 Web & Mobile App Dev (MIS2000, MIS3530)
- MIS 4600 Special Topics in MIS
- MIS 4700 Advanced Networking (60 hrs, MIS3200)
- MIS 4740 Independent Study
- MIS 4850 Systems Security (BUS3500)
- AET 3153 Advanced Routing and Switching (AET2523)
- OSC 3800 Spreadsheet Modeling & Analysis (30 hrs, BUS1950)
- OSC 4810 Supply Chain & Logistics Mgmt (60 hrs, BUS2810)
- OSC 4820 Bus Analytics and Data Mining (60 hrs, BUS2810)
- OSC 4850 Project Management (90 hrs)

^A maximum of three credit hours total from MIS 3970 and MIS 4275 may be applied as an MIS major elective.

MIS majors complete 12 semester hours of electives. Students who are exempt from MAT 1271 as a prerequisite to other math courses will complete an additional 3 semester hours of electives.

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### Recommended Schedule of Classes

#### First Semester

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