

## **SCHOOL OF ACCOUNTANCY & MANAGEMENT INFORMATION SYSTEMS MANAGEMENT INFORMATION SYSTEMS MAJOR AND MINOR**

**Overall Description:** The School of Accountancy and Management Information Systems, a division of the College of Commerce, offers a four-year program leading to a Bachelor of Science in Commerce with a management information systems major.

Here, professors—not graduate assistants—teach courses. They exhibit an unmatched commitment to teaching excellence and innovation, and are active researchers who regularly write and contribute to widely used textbooks and professional journals. Most have direct experience in business. They have served as chief financial officers, controllers, and internal auditors for major corporations. A number of professors work with accounting and business firms or major professional organizations as consultants, faculty residents or participants on special projects.

In the heart of Chicago's financial and business community, DePaul's location is a key factor in attracting a faculty with impressive talent, credentials, experience and a strong desire to teach. Chicago is the center for commerce and technology employment in the Midwest. The leading international firms are either based in Chicago, or have major offices here and most recent regional business firms are based in the Chicago area.

**Goals of the Program:** The undergraduate program in Management Information Systems provides College of Commerce students opportunities to major or minor in Management Information Systems. The program is intended for undergraduate commerce students who plan to pursue careers as information systems professionals. The major in MIS prepares students to pursue careers as business analyst, systems analysts, database administrator, project manager, network administration, knowledge developer, and Chief Information Officer. This program is intended for undergraduate business students who plan to start their career as information systems professionals in either information technology producing industries or with heavy users of such technologies. A minor in MIS prepares students to function as liaisons representing their department or business function in information systems projects.

### **This program is guided by several curriculum principles:**

- The program is designed to educate management-oriented, technically proficient information systems professionals.
- The program is focused on requirements engineering and other stages of system life cycle requiring heavy involvement of systems analysts rather than on technical implementation stages.
- The program complements a thorough understanding of business operations covered in the core undergraduate business curriculum.
- This combination of competencies is particularly important for systems analysts and makes this program distinct from programs in computer science.
- The program is designed according to current technological trends and is flexible to accommodate its adjustment as stipulated by rapidly changing and evolving information technologies.
- The program includes sufficient training in technology skills in high demand to make graduates easily employable and immediately productive.

### **In this program, students will acquire:**

- A broad understanding of information technologies and their utilization in private and governmental organizations.
- An in-depth understanding of information systems life cycle and the nature of related phases and tasks from initial study through post-implementation support.
- A thorough understanding of system requirements elicitation, analysis, documentation, validation, and management.
- Ability to work with users and builders of information systems.
- An understanding of information systems project management.
- Ability to develop prototypes using visual programming technology.
- Ability to identify organizational data and to design and manipulate databases.
- Ability to integrate technical knowledge and understanding of business operations.
- Experience working on team projects.

**Unique Aspects:** The MIS program combines theoretical knowledge, with hand-on experience. It emphasizes problem solving and decision-making as it relates to MIS. Our ties to the Chicago business community help to translate into unique job opportunities for students.

**Internship/Employment Opportunities:** Leveraging location, reputation, and relationships, the MIS department provides many opportunities for interning: participation with the internship programs sponsored by businesses and accounting firms (some of which include scholarship support), and simply responding to the many job opportunities posted and maintained daily in the department's offices.

**Career Possibilities: Recruiting** at DePaul attracts many organizations from industries that are either major producers or users of information and/or information technology products and services. DePaul University's Career Center counselors are available to assist students.

**Visit us on the web:** <http://accountancy.depaul.edu/>

## **SCHOOL OF ACCOUNTANCY & MANAGEMENT INFORMATION SYSTEMS MANAGEMENT INFORMATION SYSTEMS CURRICULUM**

### **Liberal Studies Program**

**First Year Program:** 16 quarter hours including Discover Chicago or Explore Chicago, Focal Point Seminar, and Writing, Rhetoric & Discourse.

**Soph. Seminar in Multiculturalism in the U. S.:** 4 quarter hours from Interdisciplinary Studies Program (ISP 200 only)

**Junior Year Experiential Learning:** 4 quarter hours: Cooperative Education, Study Abroad, Community-Based Service Learning, or Academic Practicum

**Senior Capstone:** 8 quarter hours: Interdisciplinary Commerce Studies: Senior Seminar, and Entrepreneurship Strategy or Management Strategy.

**Learning Domains:** 52 quarter hours (See below.)

### **Learning Domains**

**Arts and Literature:** 12 quarter hours: No more than 2 courses from the same department or program.

**Philosophical Inquiry:** 8 quarter hours

**Religious Dimensions:** 8 quarter hours: One course from Religious and Ethical Questions and one course from Religious Traditions.

**Scientific Inquiry:** 12 quarter hours: 4 quarter hours with a lab component, 4 quarter hours with a quantitative component, and 4 quarter hours scientific inquiry elective, with no more than 2 courses from the same department or program.

**Self, Society & the Modern World:** 4 quarter hours: Selected course may not be from Economics.

**Understanding the Past:** 8 quarter hours: Selected courses must be from two different geographical categories.

Three courses from the learning domains must fulfill the *Global Perspective* requirement. Students may choose one of three curricular options: Modern Language, Study Abroad, or other approved courses.

One course from *Religious Dimensions* or *Philosophical Inquiry* must be a Business Ethics course.

### **Introductory Commerce Coursework**

32 quarter hours

- Business Calculus I
- Business Calculus II
- Business Statistics
- Principles of Microeconomics
- Principles of Macroeconomics
- Introduction to Accounting I
- Introduction to Accounting II
- Legal Environment of Business

### **Advanced Commerce Coursework**

28 quarter hours

- Principles of Marketing
- Consumer Behavior
- Managerial Concepts and Practices I
- Managerial Concepts and Practices II
- Financial Management I
- Money and Banking
- Management Information Systems

### **Additional Required Courses**

- Business Communication: 4 quarter hours
- Professional Writing for Business: 2-4 quarter hours
- Open electives: 14-16 quarter hours

### **Major Requirements**

26 quarter hours

- Quantitative Methods in Marketing *or*  
Making Sense of Managerial Data
- The Internet and the Web
- Systems Analysis and Design
- Database Design and Development
- Applied Networks and Security
- IS Project Management
- One elective: Internet Technologies in Business, Knowledge Management, Programming in Java I, or Introduction to Local Area Networks

### **Minor Requirements**

12 quarter hours

- Business Systems Analysis
- Database Design and Development
- One elective: Internet Technologies in Business, Knowledge Management, Applied Networks and Security, The Internet and the Web, or Information Systems Project Management.