

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

**Overall Description:** The undergraduate program in E-Business will provide College of Commerce students opportunities to major or minor in E-business. The major prepares students to pursue careers as web designer, security administrator, e-business analyst, systems analysts, database administrator, project manager, network administrator, knowledge developer, and Chief Information Officer. The minor will enable students to serve as liaisons representing their department or business function on e-business systems projects.

**Goals of the Program:** This program is intended for undergraduate business students who plan to start their career as e-business professionals in either information technology producing industries or with the heavy users of such technologies.

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

- To educate management-oriented individuals who are technically proficient in e-business.
- To complement a thorough understanding of business operations covered in the core undergraduate business curriculum. This combination of competencies is particularly important for e-business professionals and makes this program distinct from programs in computer science.
- Is designed according to current technological trends and is flexible to accommodate its adjustment as stipulated by rapidly changing and evolving information technologies.
- Reflects the eclectic nature of current web development, including exposure to a broad and ever-changing mix of technologies, programming languages and tools.
- 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 internet technologies and their utilization in private and governmental organizations.
- An in-depth understanding of how to develop web-based applications.
- A thorough understanding of system requirements elicitation, analysis, documentation, validation, and management.
- Ability to work with users and builders of e-business technology.
- An understanding of software project management.
- Ability to integrate technical knowledge and understanding of business operations.
- Experience working on team projects.

**Unique Aspects:** The E-business program combines theoretical knowledge, with hands-on experience. It emphasizes problem solving and decision-making as it relates to E-business. The MIS department has ties to the Chicago business community, which translates 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 Career Center counselors are available to assist students.

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# SCHOOL OF ACCOUNTANCY & MANAGEMENT INFORMATION SYSTEMS

## E-BUSINESS 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

### E-Business Major Requirements

26 quarter hours

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

### E-Business Minor Requirements

12 quarter hours

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