



# Information Systems

COLLEGE OF BUSINESS ADMINISTRATION

## Undergraduate Programs

### MAJOR:

- Information Systems

### MINORS:

- Information Systems
- Health Information Systems Management

## Sample Courses

- Software Design I & II
- Introduction to the Programming Language
- Introduction to Database Management Systems
- Management Information Systems: Analysis and Design
- Management Information Systems: Design and Implementation
- Business Choices and Telecommunication Decisions
- Security and Decision Analysis Courses
- Information Technology in Healthcare

## Department Overview

Information systems (IS) study is concerned with the planning, analysis, design and implementation of information systems. Students develop and use computer-based information systems in business environments in preparation for careers in information technology related areas. Students in this program need to possess strong mathematics and logical reasoning skills. High school students planning collegiate programs in business, including information systems, should include advanced algebra/trigonometry or pre-calculus courses in their high school program.

## Department Features

The IS faculty collaborate with the Computer Science Department to deliver a curriculum balanced between computer science education and business management. The program is designed to achieve a healthy balance between management knowledge and computer skills. With solid coursework in the computer science area before entering the professional portion of the program, students will have acquired a technical foundation on which they develop strong abilities to solve business problems. Students complete courses in computer programming languages, systems analysis, design and implementation, data communications, information security management, e-commerce, and decision analysis.

Like all other business programs, IS students will complete an extensive array of courses in liberal arts and science, including courses in communication, humanities, multicultural issues and social sciences. A core of business courses in economics, accountancy, management, marketing and financial management principles is also required of all IS majors.

In addition to possessing knowledge in all business functional areas, the IS graduates are expected to achieve competence in three main program areas: 1) problem solving; 2) data communications; and 3) systems development. With these competencies, IS graduates will be able to develop effective business solutions through the use of information and information technology.

The vast majority of IS majors participate in an internship experience in their junior or senior year. IS internships are worth university credit that applies to the major program. Almost all IS internships are paid and many lead directly to employment with the firm upon graduation.

The program is designed to enhance any student's problem solving ability using information systems. A minor in IS is also available to business and non-business majors alike.

View degree requirements:  
[www.uwlax.edu/catalog](http://www.uwlax.edu/catalog)

Information Systems Department  
240 Wing Technology Center  
608.785.6656

[www.uwlax.edu/information-systems](http://www.uwlax.edu/information-systems)

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### Health Information Systems

The Information Systems Department's new minor program is Health information systems management (HISM). This minor is designed to benefit students who are interested in building a career in healthcare related areas. The main objective of this program is to enhance health information systems knowledge and information management ability of future healthcare and allied health professionals. Graduates will be more competitive in finding healthcare related jobs and be ready to help improve the efficiency and quality of healthcare in the U.S.

### Career Opportunities

Typical starting position titles for new graduates:

- Software Developer
- End User Consultant
- Software Tester
- Web Designer/Developer
- Database Designer
- Microcomputer Specialist
- Network Administrator
- Social Media Coordinators
- Network Analyst
- Business Analyst
- Systems Analyst
- Junior Project Managers

Graduates can expect to initially assume positions as developers/analysts and eventually systems analysts and information systems managers in businesses of all sizes. Employers nationally have an unmet need for new employees with skills in information technology. Projections indicate that the demand for this skill set will persist into the future. Placement has been almost 100 percent over the years, with higher than average starting salaries.

### ACCREDITATION

The College of Business Administration is accredited by the AACSB International, The Association to Advance Collegiate Schools of Business. The accreditation, by this premier association, is shared by only 25 percent of business programs nationally. Our membership is a sign to students and employers of the program's high quality faculty, students, administration and instructional resources.

### Occupational Outlook

Information systems experts will enjoy dynamic career opportunities in work that is challenging, where innovation and initiative are valued and rewarded. There is real flexibility in careers where graduates have specialized in systems engineering, sales, technical delivery, marketing and communications, customer service, operations and human resources.

For the past several years, graduates in information systems have been in high demand from every type of industry... financial planning, health care, manufacturing, consumer research and behavior, government and education.

The following is advice imparted to students at a recent panel discussion of employers and career service professionals:

- To be successful in your career, you must become specialized in some technology area, but also have sufficient knowledge about business.
- It is absolutely essential to have sound communication skills.
- Solid performance in computer technology courses will be your ticket to decent jobs.
- Become ready to join e-commerce; there will be a long-term demand for system integration technologies in this context.

### Employers of UWL Information System Graduates

- Alliant Energy
- Bank One
- Benchmark Electronics
- Best Buy
- Brady Corporation
- Cargill Co.
- Case Corporation
- Dairyland Power
- Epic Systems
- Fastenal
- FDIC
- Reinhart
- Gundersen Medical Center
- Honeywell
- Johnson Controls
- Kwik Trip
- Land's End
- 3M
- Navarre Corp.
- Wells Fargo
- Rayovac
- S.C. Johnson Wax
- Sentry Insurance Co.
- Strong Funds
- Snap-On Tools
- Trane Co.
- U.S. Government
- Wausau Insurance
- CH Robinson
- Quad Graphics
- Mayo Clinic
- Liberty Mutual
- Logistics Health, Inc.
- Federated Insurance
- Wells Fargo
- Three Rivers Technologies
- UWL
- SAP
- Kimberly Clark
- US Bank
- TDS
- Menards
- Thompson Reuters
- LSS Data Systems