

Bachelor of Arts in Business Administration Information Systems

College of Business and Economics

Why should I select an information systems concentration in the College of Business and Economics at Cal State Fullerton?

Information systems are one of the fastest growing fields in business since computers play such a vital role in the proper management of a firm's information resources. Information systems are used in business, industry and government and are essential for a successful operation.

The information systems concentration at Cal State Fullerton is designed to provide students with the skills required to immediately begin a career in the information systems field, as well as the lifelong skills needed to remain current in this fast-paced, dynamic field.

At Cal State Fullerton, faculty members in the department are world-renowned leaders in their academic disciplines and have Ph.D. degrees from universities such as UC Berkeley, UCLA, UCI, MIT and Case Western. In addition, our faculty members also have an international orientation and many have lived and worked overseas.

Students in our program have won regional competitions in the area of information systems. Because of such a solid and well-rounded foundation, alumni have gone on to successful careers such as heading information systems for major California retailers and other service and manufacturing companies.

What is information systems?

Information systems are computer-based information systems that aid management in making decisions and assist in implementing and controlling management policies. Applications include airline reservations, banking transactions, crime prevention networks, election returns, real estate assessment, tax records, newspaper databases, sports statistics and computer-assisted learning.

Information systems incorporate the use of data processing equipment, such as computers and their peripherals. Computer software is used to create, maintain and retrieve relevant information. Techniques utilized include mathematical modeling and statistics, integrated with modern computer technology. These methods are applied to systems management, programming design,



CALIFORNIA STATE UNIVERSITY, FULLERTON

P.O. Box 6848, Fullerton, CA 92834-6848

The California State University

analysis of information flow, decision support, database organization, small business problems, data communication, networking and distributed processing.

What career opportunities are available?

Career opportunities for students with training in information systems are wide-ranging and varied. Possible job opportunities include: telecommunications specialist, network administrator, PC applications specialist, systems analyst, webmaster, client/server programmer/analyst, IS director, database administrator and software developer, among others.

What are the program requirements?

Our program leads to a Bachelor of Arts degree in Business Administration with a concentration in Information Systems. To earn the degree, all students are required to complete the university's general education requirements, as well as the following three areas of the business administration major:

Business Administration Core Courses (51 units)

All students in business administration are required to complete a common body of core requirements covering the foundation areas of business administration and global business. The core ensures that every graduating student will have the intellectual and professional tools in the fields of accounting, economics, finance, management, information systems/decision sciences and marketing to succeed in a responsible position in the business world.

Lower-Division Courses:

Accounting 201A Financial Accounting
Accounting 201B Managerial Accounting
Business Administration 201 Business Writing
Economics 201 Principles of Microeconomics
Economics 202 Principles of Macroeconomics
Info Systems/Decision Sci 265 Intro to Computing
and Application Software
Management 246 Business and its Legal Environment
Math 130 Short Course in Calculus
OR Math 135 Business Calculus
OR Math 150A Analytic Geometry and Calculus

Upper-Division Courses:

Business Admin 301 Advanced Business Communication
Econ 310 Intermediate Microeconomic Analysis
OR Econ 315 Intermediate Business Microeconomics
OR Econ 320 Intermediate Macroeconomic Analysis
Finance 320 Business Finance
Info Systems/Decision Sci 361A QBA: Probability and Statistics
Info Systems/Decision Sci 361B QBA: Statistics and Management Science
Management 339 Principles of Management and Operations
Management 340 Organizational Behavior
Marketing 351 Principles of Marketing
Global Business Elective

Specialized Courses in the Information Systems Concentration (21 units)

Students electing the information systems concentration are required to complete the following sequence of courses.

Required Courses

Info Systems/Decision Sci 309 Intro to Operating Systems and Programming
(3 units)

Info Systems/Decision Sci 310 System Analysis and Design (3 units)

Info Systems/Decision Sci 371 C++ for Business Operations (3 units)

OR Info Systems/Decision Sci 372 Java Programming for Business
Applications (3 units)

OR Info Systems/Decision Sci 411 Microcomputer Business Application
Design (3 units)

Info Systems/Decision Sci 408 Data Base Management Systems (3 units)

Info Systems/Decision Sci 409 Business Telecommunications for Information
System Design (3 units)

Info Systems/Decision Sci 454 Seminar in Information Systems
Development (3 units)

Information Systems Elective (3 units)

Capstone Core Course (3 units)

The program culminates with the capstone course, Management 449, Seminar in Strategic Management. This seminar provides additional focus on what has been learned in the core and concentration through applications in significant, current and real business problems.

What courses are required for a minor?

Students who are majoring in a field other than business administration may take a minor in information systems. The minor consists of the following six courses:

Accounting 201A Financial Accounting (3 units)

Info Systems/Decision Sci 265 Introduction to Computing and Application
Software (3 units)

Info Systems/Decision Sci 309 Elements of Information System (3 units)

Info Systems/Decision Sci 310 Systems Analysis and Design (3 units)

Info Systems/Decision Sci Sys 408 Data Base Management Systems (3 units)

One of the following: Information Systems/Decision Sciences 370, 371, 372
or 411.

What are some special features and programs?

Students in the information systems concentration are encouraged to apply their knowledge to real world business situations. In a number of courses students will be engaged in addressing the information systems needs of a local company through a group project. Additionally, the management science/information systems department has an active paid internship program. Students are encouraged to do an internship prior to graduation.

What scholarships and awards are available?

Students in information systems are eligible for a number of scholarships and awards, in addition to those available to the general student body. The department sponsors a corporate scholars program that combines an internship with a scholarship. Students should call the Information Systems and Decision Sciences department office for additional information on these programs at (714) 278-2221.

What student activities can I join?

The Student AITP Club (Association of Information Technology Professionals) has monthly meetings. The Club is associated with the Southland AITP Chapter and students are encouraged to attend meetings of the Southland Chapter as a way of networking with information technology professionals.

Who advises me?

Academic advisement for all undergraduate business students can be obtained in the Business Advising Center. Information is available on admission requirements, curriculum and graduation requirements and transfer course evaluations. The Center is located in Langsdorf Hall 731, and is open Monday through Thursday on a walk-in basis. For further information and specific hours, please call (714) 278-2211 or e-mail bizdoc@fullerton.edu.

Where can I learn more?

For additional information on careers or specific questions about courses in the Information Systems program, you may contact one of our faculty career-path advisers. Office hours, phone numbers and e-mail addresses for faculty members are available from the department office located in Langsdorf Hall 540. You can call (714) 278-2221, or visit our website at: www.business.fullerton.edu/msis/.