Business Administration - Computer Information Systems Option, B.S.

DEPARTMENT

Department of Information Systems and Decision Sciences

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www.fresnostate.edu/craig/depts-programs/isds

BS in Business Administration - Computer Information Systems Option, B.S.

Courses Offered

The Option

The Department of Information Systems and Decision Sciences employs full-time and part-time faculty with extensive expertise in statistics, systems analysis and design, computer programming, networking, telecommunications, geographic information systems, business communication, database systems, expert systems and Web page design. These faculty come from all over the world and have Ph.D. degrees from major American and foreign universities.

Computer and information systems are at the forefront of most courses offered in the department. Every course deals with the development and use of information technology (IT) by managers in support of their decision-making roles. Those interested in specializing in the Information Systems (IS) option can choose from a broad set of courses designed to prepare them for challenging, productive, and well-paying jobs in one of the fastest growing career paths. The IS graduate is qualified for literally hundreds of different jobs being performed by IT professionals. Graduates of this department have found successful employment at prestigious firms such as Andersen Consulting, Hewlett-Packard, Siemens, and Gallo.

The Computer Information Systems Option provides students with the knowledge, skills, and modern tools in the area of IT. Students will learn about the strategic role of IS in business decision making. They will also learn how to design systems to solve management problems in all functional areas of business. Included in the curriculum are courses in data communication, network administration, database systems, geographic information systems, end-user computing, expert systems, Web page design, programming, and systems analysis and design.

Statistical and Computer Laboratories

Students who study in the Information Systems and Decision Sciences Department receive classroom instruction, listen to guest speakers, and enjoy field trips. They are also exposed to modern computer laboratories for the quantitative, computer, and business communication classes throughout the semester. The computer laboratories provide the student with the valuable opportunity of hands-on computer experience for such classes as computer programming and statistical analysis.

REQUIREMENTS

Bachelor of Science Degree Requirements

Business Administration Major - Information Systems Option

All students in the Craig School of Business who are working toward the Bachelor of Science in Business Administration must satisfy (a) the university's General Education requirements; (b) pre-business requirements, which include demonstration of computer competency, a seven-course group of pre-business courses, and both a cumulative and campus GPA of at least 2.25 to declare an option; (c) upper-division core requirements of six upper-division courses, (d) option requirements of 24 units in an area of specialization; (e) the upper-division writing skills requirement; (f) an integrative course requirement; and (g) complete at least 50 percent of the required business units in the Craig School of Business.

Computer literacy and computer software competency are considered essential to success in the program, which is heavily oriented in the use of technology. The pre-business courses include material considered essential for further study in business. The upper-division core courses provide a broad background and a breadth of knowledge and understanding. The option
courses enable the student to specialize in a specific area of business and to prepare for effective performance in future employment.

1. Major requirements (70 units)

**Demonstration of computer competency (3 units)**
Complete IS 52 and 52L or equivalent courses with a grade of "C" or better or achieve a passing score on the CSB computer competency waiver examination. Students who pass the CSB computer competency waiver examination are considered to have satisfied stated prerequisites of IS 52 and 52L for any course offered by the department. See "computer competency waiver exam" at www.craig.fresnostate.edu/uss_home.aspx.

**Pre-Business requirements* (16 units)**
ACCT 4A, 4B; BA 18; DS 71, 73; ECON 40 or AGBS 1; ECON 50
(See Pre-Business Requirement.)

**Upper-division core requirements (24 units)**
DS 123; FIN 120; IS 130; MGT 110, 124; MKTG 100S

**Computer Information Systems Option requirements (24 units)**
IS 51, 158**, 166**, 181, 186 (15 units)
Select 9 units from the following courses: IS 106, 140, 150, 153, 156T, 162, 182, 183, 184, 189T, 190, 195; any approved upper-division IS courses (9 units)

**Integrative course requirement (3 units)**
IS 187*

**Grade Requirement**
A grade of C or better must be earned for each course used to satisfy the requirements for the major.

2. General Education requirements (49 units)*

3. Other requirements (6 units)
Upper-division writing and Multicultural and International (MI). Business majors take BA 105W, Business Communication, to fulfill the Upper-Division Writing requirement. **Note:** the Upper-Division Writing Exam is not an option for business administration majors.

4. Sufficient elective units to meet required total units (varies)

5. Total (120 units)***

* This total indicates that 6 units for DS 71 and ECON 50 are used to satisfy the General Education requirements.

** This is a three-semester sequence of classes that cannot be taken concurrently or out of order.

*** G.E. and MI courses can be double-counted with major requirements. See advisor for details.

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**FACULTY**

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For more on the faculty, see the faculty pages. The faculty pages are updated by the department or program.
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