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

DEPARTMENT

Department of Information Systems and Decision Sciences
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BS in Business Administration - Computer Information Systems Option, B.S.

Courses Offered

The Department of Information Systems and Decision Sciences prepares students for the rapidly growing fields of information systems and decision-making supported by analytics. Producing new intelligence from raw data can help businesses enhance products and services, and organizations to meet their missions. It’s proven that computerized information-sharing enables better decision-making. Besides traditional methods of classroom instruction and guest speakers, students in these options are exposed to new developments in computer technology, software, and application; and have 24/7 remote access to computer resources.

Computer Information Systems (CIS) is the practice of developing and maintaining systems to support operations, management, and decision-making. It combines technology, people and business organizations in a single field. Within an “enterprise” architecture, an information system can be accessed by a community of users across functional departments and organizations providing real-time data pulled from a variety of sources. Topics covered in this option include systems analysis and design, database systems, computer networks, cloud computing, mobile app design, project management, cyber security, and business intelligence.

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.

**FACULTY**
The Department of Information Systems and Decision Sciences is the home of leading experts who have decades of combined professional experience and research in Information Systems and Decision Sciences. The faculty of the Department have extensive expertise in systems analysis and design, project management, programming, statistics, analytics, operations management, computer networks, cyber-security, artificial intelligence, and database systems. The award-winning faculty members come from all over the world, each with a doctorate or a graduate degree from a major university. Collectively they bring experience in corporations in a wide variety of industries, as consultants, and in the public sector.

For faculty phone numbers and e-mail, see the campus directory.

For more on the faculty, see the faculty pages.

The faculty pages are updated by the department or program.