

THE BACHELOR OF SCIENCE IN INFORMATION SCIENCE DEGREE

In the modern world where computers are commonplace the management of information is achieving a prominent place in business. Managers of information are increasingly asked to solve complex problems arising in the business world that require drawing on a diverse set of skills. The program emphasizes problem solving and has a broad range of courses to address the needed skills. The Bachelor of Science in Information Science (BSIS) degree consists of courses chosen from the fields of business, computer science, economics, mathematics, and psychology. Special emphasis is placed on systems analysis and design. With careful selection of electives, a student in this program can be prepared for graduate work in computer science or related disciplines. Students are urged to take the courses CPSC 125, 215, 150/150L-250/250L, 350, and 351 early in their academic careers. These six courses cover the basics of spreadsheet and database software, the fundamental concepts of computer technology, the function and architecture of computer hardware and software, programming, information science concepts, management of information systems, systems and decision theory, and organizational models. After completion of these courses, students should have the background to choose among three options: information systems, networking and communications, or the minor in business administration. Note that this major falls under the Professional Degrees category for degree studies requirements in the general education requirements.

In addition to requiring successful completion of all general education and degree studies requirements (see index), the Bachelor of Science in Information Science degree requires, for major and elective studies, successful completion (a grade of C- or better) of the cores, one option shown in the following table, and a capstone course and project.

CORES AND OPTIONS:

1) The Computer Science Core:

CPSC 125, 150/150L-250/250L, 335.

2) The Business Core:

ACCT 201-202, ECON 201G*, 202G*.

3) The Information Science Core:

CPSC 215, 350, 351.

4) The Mathematics and Science Core:

MATH 125*, 135* or 140*, 235 or 260; PHYS 151/ 150L*-152/152L* or PHYS 201/201L*-202/202L*.

5) Select one of the following options:

a) Information Systems Concentration:

CPSC 260, 270, 430, 440, PSYC 201-202, 313, BUSN 300, BUSN 323 or PSYC 303;

b) Networking and Communications Concentration:

CPSC 270, 336, 430, 440, 446, two 300-400 level CPSC electives, BUSN 201;

c) Business Administration Minor:

ACCT 201-202, ECON 201G*, 202G*, BUSN 201, 300, 311, 323, 350; and one non-core business elective- (The core business courses are listed in the School of Business section of the undergraduate catalog). The Dean of the School of Business must approve declaration of this minor.

* Courses bearing an asterisk may be used simultaneously to satisfy, in part, certain general education and degree studies requirements. For details, see your academic advisor.

CAPSTONE COURSE AND PROJECT

All concentrators must successfully complete CPSC 445W. Those choosing the Business Minor option may substitute BUSN 498W for CPSC 445W. Finally, the major in information science requires satisfactory

completion of an exit test administered by the department. (See assessment section of the general requirements of all baccalaureate degree programs.)

THE MINOR IN INFORMATION SCIENCE

The minor in information science requires CPSC 125, 215, 150/150L, 335, 350, 351, and CPSC 430. Science. The curriculum requires successful completion of: CPEN 214, 315, 414, and 422.

[PCSE Home](#) | [CNU Home](#)