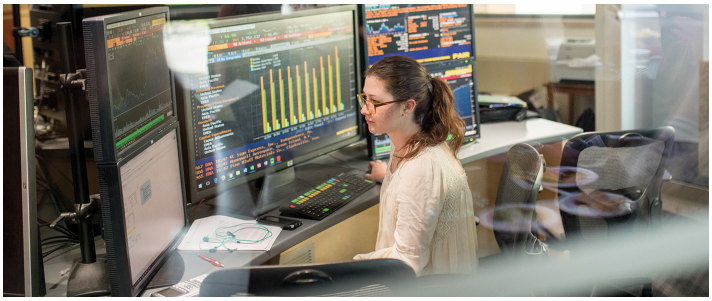
MAJOR IN BUSINESS ADMINISTRATION, INFORMATION SYSTEMS CONCENTRATION



This program is designed to provide students with a comprehensive knowledge of computer information systems along with the skills necessary for effective decision making in a business environment that is diverse, global, and highly competitive. The information systems curriculum provides students with a broad understanding of business and a sound foundation in computer fundamentals and programming, systems analysis and design, networking, database design and implementation, project management, mobile and web applications, data analytics, and information and systems security. Graduates acquire the knowledge and skills to apply information technologies to solve business problems, providing a wide variety of career opportunities.

Learning Objectives

Students will demonstrate the ability to:

1. Design, write, and test computer programs.
2. Gather requirements and analyze and design information systems .
3. Model, implement, query, and administer databases.
4. Plan and manage information technology projects.
5. Configure and manage computer systems and networks.
6. Prepare and analyze data and deliver data-driven solutions.
7. Develop business applications for different platforms and devices.
8. Assess and secure information technology assets against cyber security threats.

Accelerated Program

The Information Systems concentration includes an accelerated program option (https://provost.colostate.edu/accelerated-programs/) for students to graduate on a faster schedule. Accelerated Programs typically include 15-16 credits each fall and spring semester for three years, plus 6-9 credits over two to three summer sessions (https://summer.colostate.edu/acceleratedprograms/). Students who enter CSU with prior credit (AP, IB, transfer, etc.) may use applicable courses to further accelerate their graduation. Visit the Office of the Provost website for additional information about Accelerated Programs (https://provost.colostate.edu/accelerated-programs/).

Potential Occupations

Computing-related careers are characterized by a rapid rate of change driven by technological developments. Participating in paid or voluntary work, internships, and cooperative education opportunities is highly recommended, to keep students abreast of new developments and to help them benefit from networking to enhance employment opportunities.

Examples of career opportunities include, but are not limited to: applications developer, business/systems analyst, business intelligence analyst, cybersecurity manager, data analyst, database developer/administrator, IT consultant, IT project manager, information security analyst, software engineer/developer, network administrator, user interface designer, and web developer/administrator.