

BUSINESS INFORMATION SYSTEMS MAJOR (OCE ONLY)*

The program is offered only through Online and Continuing Education (OCE).

The major in Business Information Systems is an interdepartmental program combining studies in computer information systems from the Department of Computer Science with business courses from the Department of Business. The curriculum, based on the Data Processing Management Association model, places strong emphasis on business problem solving through systematic analysis and management of the system development process.

*This program is currently not accepting new students.

Requirements

Degree Requirements

This major is available as a bachelor of arts or bachelor of science degree, as defined in the section on degree requirements (<http://catalog.linfield.edu/degrees-and-programs/undergraduate/ba-bs-bsn/>) for all majors in this catalog.

Major Requirements

Code	Title	Credits
COMP 101	FUNDAMENTALS OF INFORMATION SYSTEMS TEC	3
COMP 152	PROGRAMMING & OBJECT STRUCTURES	4
COMP 250	DATABASE PROGRAM DEVELOPMENT	3
COMP 302	SOFTWARE ENGINEERING	3
COMP 310	WEB SYSTEMS AND TECHNOLOGIES	3
COMP 382	MANAGEMENT INFORMATION SYSTEMS	3
COMP 400	APPLIED SOFTWARE DEVELOPMENT PROJECT	3
COMP 404	OPERATIONS MANAGEMENT	3
COMP 484	OPERATIONS RESEARCH	3
ECON 210	PRINCIPLES OF ECONOMICS	4
BNAC 259	FINANCIAL AND MANAGERIAL ACCOUNTING I	4
BNMG 310	ORGANIZATIONAL BEHAVIOR AND MANAGMENT	4
BNMK 321	MARKETING	4
BNFN 341	FINANCIAL MANAGEMENT	4
BNSS 281	BUSINESS ANALYTICS	4
Total Credits		52

At least 12 credits of computer science course work and 9 credits of business course work must be taken from Linfield. Students majoring in BIS must also meet the Business Department mathematics and statistics proficiency requirements.

Student Learning Outcomes

- Demonstrate understanding of the fundamental principles and concepts of computer science;

- Demonstrate in-depth knowledge of software development, networks and systems development and administration, and information management;
- Design, implement, and maintain a hardware, software, or networked project both individually and as part of a group;
- Work in multiple programming environments, software development languages, and design paradigms;
- Orally present information and write clearly;
- Develop in-depth understanding of at least one specialty area of computer science through independent research and, wherever possible, internships;
- Function well in an industrial or commercial environment through attachments or internship; and
- Demonstrate personal skills, planning and time management skills, problems solving and decision-making skills.