

Northwest Arkansas Community College
Business and Computer Information Systems Division

Discipline Code

CISM

Course Number

2103

Course Title

Business Information Systems

Catalog Description

(F, S, SUM) This business core course presents the fundamentals of business information systems (IS) topics essential to today's business graduate. A number of integrated examples across "applied" areas of business will be utilized. Applied areas of business will be used to provide the context for the IS topics, business applications, and management challenges. This course surveys essential information systems and technology fundamentals that are common to most enterprises. The course addresses information systems components and follows up by showing how managerial information and other essential functional information is generated, derived, and presented through the company's information processing and decision support systems. Business Information Systems is the "life blood" of business; those systems that enable the business to function effectively and efficiently as a unit. The broad objective of this course is to present you with a business and information systems framework that will allow you to envision how business decisions are enabled and empowered by information systems and technology.

Prerequisites

ACCT 2013 (Prin of Accounting I), BUTR 1033 (Data Analysis & Interpretation) and ECON 2013 (Principles of Macroeconomics) or ECON 2023 (Principles of Microeconomics), all with a grade of "C" or higher.

Credit Hours

3 credit hours

Contact hours

45 lecture/lab contact hours

Load hours

3 Load Hours

Semesters Offered

Fall, Spring & Summer

ACTS Equivalent

None

Grade Mode

A-F

Learning Outcomes

The student will:

- Demonstrate the fundamentals of Information Systems through “hands on” exercises and critical thinking use cases.
- Explain how firms leverage information technology, customer relationship management, and data analytics to gain competitive advantage
- Describe information system related challenges including project management, development methods, security and privacy, and knowledge management
- Interpret how business applications such as enterprise resource planning (ERP), supply chain management (SCM), support systems, electronic commerce, and mobile applications apply in both information systems and business.

General Education Outcomes Supported

Students develop higher order thinking skills

Standard Practices

Topics list

- Explore current trends, technologies, and applications (2,3,4)
- Demonstrate security issues and the context it provides to an organization (3)
- Discuss ethics and what role it plays in business and in information systems (2,3)
- Discuss critical thinking and decision-making skills necessary for business (1,2,3,4)
- Explain the structure of information systems and what role it plays in business (1,2)
- Explain cloud computing (2,3)
- Applications and databases and why they are important to businesses (2,3,4)
- The various information system roles through the industry (2,3,4)
- Hardware/storage and the needs of a company (1)
- Describe global information systems and how E-business is changing in today's society (2,3,4)
- Demonstrate communication through information systems and advantages of electronic communication (2,3,4)
- Discuss business intelligence and knowledge management and the role it plays in business (2,3,4)
- Explain Enterprise Systems and the business processes (2,3,4)
- Discuss Management Support Systems and supply chain planning (2,3,4)
- Connecting business objectives to information systems (2,3,4)

Learning activities

Assignments and Projects.

This course requires additional work that may need to be completed out of class or in a virtual or on-campus lab.

Assessments

Homework, Lab Assignments, Capstone Projects, Exams and Quizzes

Grading guidelines

A = 90-100

B = 80-89

C = 70-79

D = 60-69

F = 59 & below