



CS-201: Introduction to Information Systems

Description:

3 credits/126 hours

Prerequisite: None

This course equips students with a broad understanding of core information systems principles and how they apply to today's businesses and organizations. Students will get a solid overview of systems, networking, enterprise systems, e-Commerce, AI, automation, and more. Students will leave this course with not only technical skills and understanding but also with a solid understanding of the changing role of professionals who work within the information systems field.

Textbook: Principles of Information Systems, 14th ed., Stair, Reynolds, Bryant, Frydenberg, Greenberg, & Schell– ISBN: 978-0-367-11241-0

Course objectives:

Throughout the course, you will meet the following goals:

- Gain an understanding of core Information Systems principles that will serve as a foundational knowledge base for a career in IS.
- Describe how information systems impact individuals at all levels in an organization
- Build a foundational understanding of secure information systems and cybersecurity
- Understand the various aspects of computing: hardware, software, virtual/cloud computing, databases, and data analytics
- Identify how e-Commerce, Artificial Intelligence (AI), and automation can impact organizational objectives

Contents:

Chapter 1: Information Systems, People, Technology, Processes, and Structure

Chapter 2: Secure Information Systems

Chapter 3: Corporate and Individual Accountability: Ethical, Legal, and Social Issues

Chapter 4: Hardware and Software

Chapter 5: Database Systems and Management

Chapter 6: Business Intelligence: Big Data and Analytics

Chapter 7: Networks: An Interconnected World

Chapter 8: Cloud Computing and the Internet of Things

Chapter 9: E-Commerce

Chapter 10: Enterprise Systems

Chapter 11: Artificial Intelligence (AI) and Automation

Chapter 12: Strategic Planning and Project Management

Chapter 13: System Acquisition and Development

Grading Scale (70% required for passing)

A = 90-100%

Grade Weighting

Chapter Quizzes..... 50%

B = 80-89.9%
C = 70-79.9%
F = Below 70%

Activities 20%
Final Exam 30%
100%