IS 2200: Information Systems and Communication

3 Credit Hours

Prerequisite: ENGL 1101 and (MATH 1001 or higher)

This course will provide an overview of fundamentals of information systems technologies and their applicability to real world scenarios. Topics may vary as technology changes but the students will learn the tools of productivity. The course aims to improve communications skills appropriate to the business setting.

IS 3020: Application Development I

3 Credit Hours

This course will provide students with the knowledge and skills needed to develop applications in a development environment. Program logic and decision structure will be covered using a modern programming language and framework.

IS 3040: IS Infrastructure and Strategy

3 Credit Hours

Prerequisite: IS 2200, 60 credit hours with a minimum GPA of 2.0, and Admission to the Coles College Undergraduate Professional Program or student in a Coles College Partner Program that includes this course.

This course provides foundation skills on information systems infrastructure and their implementation strategies. Topics include hardware, software, communications which includes networking such as LAN, WAN, and wireless; transaction support; facilities for business continuity and security; infrastructure management best practices; cloud, emerging, and edge technologies; risk management including compliance, sourcing, disaster planning, auditing, controls and standards. Looking at the technologies from single board computing, IoT, to SOHO to small corporate and global enterprises, and how infrastructure plays an essential role in corporate information systems, how it is developed and how it is part of corporate strategies. These strategies include local, campus, wide area, national and global implications.