Information Systems

Bachelor of Science

Description

The Bachelor of Science in Information Systems equips students with the competencies for success in a rapidly growing field. IS managers plan, coordinate, and execute IT-related goals in an organization. As the use of web-based systems, Big Data, and machine learning follow an ever-expanding trajectory, professionals in this area are central to an organization's success and very survival. They are expected to implement cyber security plans, deliver a competitive edge by leveraging new technology, negotiate with vendors, and recruit key personnel. At the apex of the chain, chief information officers (CIOs) develop and implement IT strategy for the whole enterprise. This program can also be completed as a concentration.

Admissions Requirements

- A high school diploma or GED
- GPA of 2.0 or higher
- Official transcripts from all previously attended schools
- Completed application with Carolina University

Graduation Requirements

In order to become a candidate for graduation, a student:

1. Shall have completed a minimum of 30 credit hours at CU;
2. Shall have maintained a minimum academic average of C;
3. Shall have passed all courses in his/her curriculum and made a C or better in key courses designated as essential in each program;
4. Shall have completed at least 24 of the final 30 hours with Carolina University.

Courses

General Education Core (36 Credit Hours)

Professional Core (78 Credit Hours)

CS 110 - Programming I
3 Credit Hours
CS 111 - Programming II
3 Credit Hours
CS 450 - Introduction to Unix
3 Credit Hours
IS 305 - Introduction to Information Systems
3 Credit Hours
IS 310 - Introduction to Network Technology

3 Credit Hours
IS 315 - Database Management & Applications
3 Credit Hours
IS 320 - Information Systems Management and Business
3 Credit Hours
IS 325 - Business Systems
3 Credit Hours
IS 330 - Introduction to Data Science
3 Credit Hours
IS 335 - Machine Learning
3 Credit Hours
IS 340 - Natural Language Processing
3 Credit Hours
IS 345 - Neural Networks
3 Credit Hours
IS 350 - Artificial Intelligence
3 Credit Hours
IS 355 - Human Computer Interaction
3 Credit Hours
IS 365 - Information Security
3 Credit Hours
IS 380 - Web Application Programming
3 Credit Hours
IS 385 - Object Oriented Design
3 Credit Hours
IS 395 - Decision Support Systems
3 Credit Hours
IS 400 - Project Management
3 Credit Hours
IS 410 - Hardware, Virtualization, and Communications
3 Credit Hours
IS 450 - Internship I
3 Credit Hours
IS 455 - Internship II
3 Credit Hours
MG 211 - Economics I
3 Credit Hours
MG 322 - Entrepreneurship
3 Credit Hours
MG 334 - Corporate Responsibilities and Ethics
3 Credit Hours
MG 342 - Business Analytics
3 Credit Hours

Professional Electives (9 Credit Hours)

Any CS, IS Course