# INFORMATION SYSTEMS AND BUSINESS ANALYTICS

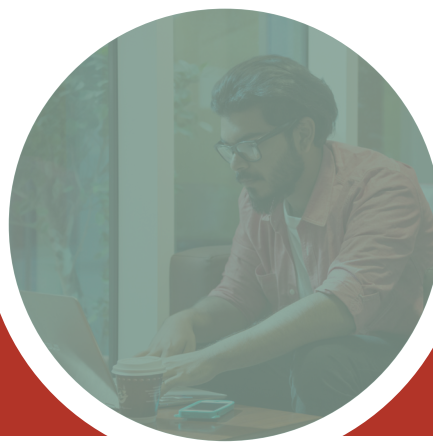**School of Business Administration**
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Information systems and business analytics is a degree for the future. It entails analyzing, designing, developing, implementing, maintaining and managing the computer-based information systems of public and private organizations. This program is a combination of business and technology. Students learn how to use information technology and computing resources to solve business problems through determining an organization's technical needs, followed by creating and applying appropriate solutions. Students will also learn how to monitor and control various phases of large software projects, explore fintech and e-commerce, learn about cryptocurrencies and mobile payments, create their own apps, and build models for business analytics and eye-catching data visualizations.

## Possible Career Options

- Computer Security Specialist
- Computer Programmer
- Computer Manager
- Cyber-security Analyst
- Data Analyst
- Data Processing Manager
- Information Scientist
- Mobile App Developer
- Website Designer

- Networking Manager
- Operations Manager
- Tech Entrepreneur
- System Designer
- System Project Manager
- MIS Specialist
- Database Administrator
- System Analyst
- Software Developer

- Systems Consultant
- Statistician
- Technical Writer
- IT Strategist
- Business Analyst
- e-Commerce Specialist
- Supply Chain Manager
- Digital Specialist
- Data Scientist

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## Possible Employers

- Banks
- Computer Firms
- Consulting Companies
- Universities
- Government Agencies

- Investment Companies
- Insurance Companies
- Industrial Plants
- Laboratories
- Military

- Private Businesses
- Public Businesses
- Research Firms
- Telecommunications Companies
- Social Media Firms

## Skills Required

- Ability to think logically and to concentrate
- Ability to perform well under pressure
- Ability to work well with people as well as to work well alone
- Ability to make appropriate decisions and sound judgments

- Ability to analyze and solve problems
- Ability to understand, apply and clearly explain technical information
- Ability to work with numbers and technical concepts

- Ability to organize, research, classify and coordinate information
- Proficiency in written and oral communication

## Personal Attributes

- Achievement-oriented
- Detail-oriented
- Creative
- Patient

- Organized
- Thorough
- Ambitious
- Resourceful

- Responsible
- Interested in working with people
- Interested in computers
- Sensitive to multiple perspectives

## Ways to Get Experience

- Doing an internship
- Attending computer and business-related lectures, workshops or conventions

- Joining a professional computer organization
- Working part-time in a computer or software company

- Volunteering or working part-time in a university computer department
- Working on PCs as a hobby