

# COMPUTER INFORMATION SYSTEMS

## MAJOR

## Computer Information Systems Highlights

The computer information systems (CIS) degree program at JMU prepares students for professional careers that require both the business knowledge and the technical skills to help clients design, build and deliver competitive computer-based solutions. Computer and information-systems managers play a vital role in the technological direction of organizations and must stay current to ensure the organization does not lag behind its competitors. Students are prepared for careers in planning, analyzing, designing, implementing and managing information systems.

Our CIS graduates' success in senior and mid-level management positions is built on a foundation of solid technical skills, integrative business knowledge and a professional network of loyal JMU alumni. **We offer coursework in the following:**

- Application Development
- Architecture, Networking and Security
- Business Intelligence & Business Analytics
- Consulting

### Technology Alliances for CIS Students:

- Azure Development Tools for Teachers
- Amazon Web Services Educate

### DEPARTMENT HIGHLIGHTS

- **State-of-the-art CIS networking lab.**
- The CIS 434 IT Consulting course involves over 25 firms who mentor, teach and judge student work. Over the last five years, **these firms have later hired 240 CIS graduates and provided over 75 internships to CIS majors.**
- Each fall, the **Meet the Firms** event offers ACTG, FIN and CIS majors a unique opportunity to network with firms in a career-fair format. CIS majors also have opportunities to interact with recruiters at the annual College of Integrated Science and Engineering career fairs.
- JMU's Computer Information Systems program is **one of 10% in the nation that are accredited by both the AACSB and ABET.**
- The College of Business is **one of 5% of business schools with AACSB international accreditation** (Association to Advance Collegiate Schools of Business).

## Career Possibilities

Business Analyst  
Business Application Developer  
Cyber Engineering Consultant  
Cybersecurity Analyst  
Database Analyst  
IT Auditor  
IT Consultant  
IT Risk Advisor  
Network Manager  
Project Manager  
Systems Analyst  
Web Developer

### RECOMMENDED MINOR

Business Analytics

### CO-CURRICULAR ORGANIZATIONS

Choose from more than 25 College of Business co-ed fraternities, clubs and honor societies to connect with peers and build leadership skills.



For more details, scan the QR code or visit: [jmu.edu/cob/cis](https://jmu.edu/cob/cis)



## Differential Tuition

As a student in the College of Business (CoB), you'll pay "differential tuition," an additional fee over JMU's standard tuition. This enables us to add significant value to your overall academic experience, and is a practice common among top business schools. These funds help ensure that our students gain a competitive edge for internships and job openings by providing hands-on experiences such as career treks, professional networking opportunities and career-development activities.



— EVAN PEEK ('23),  
COMPUTER  
INFORMATION SYSTEMS

"The program difficulty was rigorous, but it provided the necessary skills and real-life applications that many companies look for in new hires. With professors who look to better your work, career resources, professional organizations, and peers that will push and help you to be your best, the resources at CoB are second to none."

## Starting Compensation\*

College of Business Major	Avg. Starting Compensation
Computer Inf. Systems, B.B.A.	\$84,452
<b>Avg. / Bus. Majors</b>	<b>\$75,969</b>

\*This report highlights the post-graduation pursuits for 89% of the CoB Spring Class of 2023 bachelor's degree recipients.

## Curriculum Highlights

### FOUR CONCENTRATIONS

Computer Information Systems majors must choose one of the following concentrations:

- Cooperative Education Concentration
- Business Analytics
- Information and Cybersecurity Management
- Information Systems

### TWO MINORS

**Business Analytics** is a technical approach to analyzing problems and making business-related decisions. It uses statistical methods, machine learning, management-science techniques and mathematical modeling to forecast the implications of various choices and identify the best alternatives. The minor in Business Analytics prepares students to make complex decisions in a business environment with a combination of quantitative skills and hands-on expertise using current software applications.

A minor in **Computer Information Systems (CIS)** combines knowledge in the analysis and design of information systems with the understanding gained in a primary major. CIS is about computing in context. The context is business, and CIS emphasizes applications of information technology that create solutions for business-related problems. CIS is a technical field that requires mathematical and logical problem-solving ability, as well as the capacity to communicate effectively with a rigorous understanding of the business world. The minor is primarily structured to provide students in various disciplines with the opportunity to study business-oriented information systems.

### COB ACCEPTANCE

After completing the lower-level B.B.A Core Courses and earning at least a 2.7 average GPA in those courses (excluding calculus and managerial accounting) students may apply for formal acceptance into the College of Business and become eligible for upper-level courses.

### LOWER B.B.A. CORE COURSES\*

- COB 191 - Business Analytics I\*\*
- COB 202 - Interpersonal Skills
- COB 204 - Computer Information Systems
- COB 241 - Financial Accounting
- COB 242 - Managerial Accounting
- COB 291 - Business Analytics II
- ECON 200 - Intro to Macroeconomics
- ECON 201 - Intro to Microeconomics
- MATH 205 or 235 - Calculus\*\*

\*official curriculum requirements are listed in the JMU Undergraduate Catalog

\*\*or equivalent