

# Information Systems and Cybersecurity Management - Bachelor of Science in Business

The Information Systems and Cybersecurity Management Major provides managerial perspective and technical skills to create, control, protect, and leverage information and data resources of an organization. The major focuses on foundational theory and practice in content areas such as business process management, database, data communications, cybersecurity management, systems analysis & development, information risk management, and project management. The major also addresses contemporary topics including cloud computing, mobile commerce, enterprise systems, business intelligence, data mining, and big data management. It emphasizes the application of technology, information systems and cyber risk management skills to solving business problems.

## Program Requirements

Code	Title	Credit Hours
<b>Required Courses</b>		<b>12</b>
ISA 245	Database Systems and Data Warehousing	
ISA 281	Concepts in Business Programming	
ISA 301	Business Data Communications and Security	
ISA 387	Designing Business Systems	
<b>Complete one of the following concentrations:</b>		<b>12</b>
<b>Information Systems Concentration</b>		
Required Courses		
ISA 406	IT Project Management	
ISA 495	Managing the Intelligent Enterprise	
Elective Courses		
Select two of the following - one must be an ISA 400 level course:		
CSE 271	Object-Oriented Programming	
ISA 303	Enterprise Systems	
ISA 305	Information Technology Governance, Risk Management, Security and Audit	
ISA 335	Blockchain and Business Applications	
ISA 401	Business Intelligence and Data Visualization	
ISA 403	Building Web and Mobile Business Applications	
ISA 405	Information Security	
ISA 414	Managing Big Data	
ISA 424	Data Infrastructure for the Enterprise	
ISA 481	Topics in Information Systems	
<b>Cybersecurity Management Concentration</b>		
Required Courses		
ISA 305	Information Technology Governance, Risk Management, Security and Audit	

ISA 405	Information Security
ISA 419	Data Driven Security
Elective Courses	
Select one of the following:	
ISA 335	Blockchain and Business Applications
ISA 401	Business Intelligence and Data Visualization
ISA 403	Building Web and Mobile Business Applications
ISA 406	IT Project Management
ISA 414	Managing Big Data
ISA 495	Managing the Intelligent Enterprise
POL 437	Cyberlaw
<b>Total Credit Hours</b>	<b>24</b>

**Note:** Students also taking the Business Analytics Major must take 18 hours beyond the business core not also counting in the Business Analytics Major.

**Note:** Students may not major in both concentrations. Students in either concentration may minor in the other sub-discipline but must take 9 hours beyond the business core not also counting for the major.