

Information and Cybersecurity Management Major The Information 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, 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 and cyber risk management skills to solving business problems . 7/28/2023

Required Courses for either concentration

ISA 245 Database Systems and Data Warehousing (3)
Prereq—ISA 235

ISA 281 Concepts in Business Programming (3)

ISA 301 Business Data Communications and Security (3) Prereq—ISA 235

ISA 387 Designing Business Systems (3) Coreq— ISA 245 or CSE 385

Information Systems

Concentration

Required :

ISA 406 IT Project Management (3)
Prereqs— ISA 387 or CSE 201.

ISA 495 Managing the Intelligent Enterprise (3) Prereq—FSB core Courses & senior standing.

Select 2 additional electives:

- ISA 303** Enterprise Systems (3)
- ISA 305** Information Technology Governance, Risk Mgmt, Security & Audit (3)
- ISA 335** Blockchain & Business Applications (3)
- ISA 403** Building Web & Mobile Business Applications (3)
- ISA 405** Information Security (3)
- ISA 406** IT Project Management (3)
- ISA 414** Managing Big Data (3)
- ISA 424** Data Infrastructure for the Enterprise (3)
- ISA 481** Topics in Information Systems (3)
- ISA 495** Managing the Intelligent Enterprise (3)
- CEC 205** Agile Launchpad I (3)
- CEC 271** Object-Oriented Programming (3)

Cybersecurity Management Concentration

Required :

ISA 305 Information Technology Governance, Risk Mgmt, Security & Audit (3). Prereq - ISA 235 or equivalent; or permission of instructor.

ISA 405 Information Security (3) Prereq—ISA 301 or permission of instructor.

ISA 419 Data Driven Security (3) Prereqs - BUS 104, ISA 225 and ISA 235.

Select 1 of the following:

- ISA 335** Blockchain & Business Applications (3)
- ISA 401** Business Intelligence & Data Visualization (3)
- ISA 403** Building Web & Mobile Business Applications (3)
- ISA 406** IT Project Management (3)
- ISA 414** Managing Big Data (3)
- ISA 495** Managing the Intelligent Enterprise (3)
- POL 437** Cyberlaw (3)