CISM Computer Information Systems

CISM 6120 Technology for Executives
2 Credit Hours. 2 Lecture Hours. 0 Lab Hours.
Examines the role of information technology (IT) in business and how IT is used to solve business problems. Fundamental grounding in key areas of IT (hardware, software, data resources, and networks) is provided, with the emphasis on how IT affects an organization, its employees and its competitive position. The challenges and opportunities related to networked enterprises and global markets are also explored. A variety of software tools are used to create solutions to traditional business problems, with the focus on the application of problem solving and critical thinking skills, rather than the achievement of computer literacy.

CISM 7030 Special Topics in Information Systems
3 Credit Hours. 0-3 Lecture Hours. 0 Lab Hours.
Provides the student with an opportunity for in-depth study of selected topics in Information Systems.

CISM 7131 Survey of Digital Forensics
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will survey the current digital environment as it relates to financial and business fraud. Topics will include a survey of the forensic investigative process for digital evidence, case studies of investigations where proper data handling and analysis resulted in positive investigative results, an overview of best practices for evidence presentation, and analysis of current events and investigations from open sources.
Prerequisite(s): Admission to the MAcc Program and permission of SOA director.

CISM 7231 ERP Business Process Analysis Using SAP
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
Many business organizations have adopted enterprise resource planning (ERP) systems, such as SAP, to provide a platform for supporting and integrating core business processes such as accounting and finance, procurement, production planning, material management, and sales and distribution. This course focuses on Enterprise Resource Planning (ERP) systems and utilizes SAP to illustrate how ERP systems are employed in business organizations to support business processes. At the end of the course, students will have an overview of ERP characteristics, components and benefits; they will be familiar with the SAP graphical user interface (GUI) and navigation.
Prerequisite(s): Graduate standing and permission of Director of Graduate Programs for COBA.

CISM 7235 ERP Customization for SAP
3 Credit Hours. 0 Lecture Hours. 0 Lab Hours.
This course focuses on how and why ERP systems are customized to extend their support business processes and employs SAP customization tools to illustrate key course concepts. The characteristics and benefits of enterprise portals are examined along with the tools and processes used to implement and measure their success.

CISM 7330 Information Technology Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Designed to enable the manager to effectively utilize and manage information technology in the applied business environment. The course focuses on the managerial, not the technical aspects of information management. No prior technical expertise is required. Relevant readings and cases are used to apply the concepts and techniques presented in the course.
Prerequisite(s): Graduate standing and permission of Director of Graduate programs for COBA and prior or concurrent enrollment in and a minimum grade of "C" in MGNT 7331.

CISM 7331 Enterprise Systems Analysis
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course emphasizes the methods, techniques, and tools of analyzing and designing an enterprise information system. Topics include design methodologies, data collection and analysis techniques, and design tools. Students will analyze problems of the current enterprise system, propose alternatives to resolve the problems, and implement their design to change/replace the current system. The implementation will be supported by modern enterprise resource planning tools: such as SAP R/3.
Prerequisite(s): Graduate standing and permission of Director of Graduate programs for COBA; prior or concurrent enrollment in and a minimum grade of "C" in MGNT 7331.

CISM 7332 Enterprise Data Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course examines the design and use issues underlying relational, object-oriented and multidatabase management systems. Design and implementation methods are examined with the support of modern software tools, such as Oracle. Data management issues are addressed, including modern data storage infrastructure technologies (such as Data Warehousing, and SANs), the role of metadata, and storage of semi-structured data.
Prerequisite(s): Graduate standing and permission of Director of Graduate programs for COBA; prior or concurrent enrollment in and a minimum grade of "C" in MGNT 7331.

CISM 7333 Digital Commerce
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course aims to provide students with an introduction to the issues that surround the management of digital commerce technologies within the business environment. Topics include global issues of E-Commerce, Internet business models, online marketing, mobile and ubiquitous commerce, W3C E-Commerce standards, electronic payments, and online agent technologies.
Prerequisite(s): Graduate standing and permission of Director of Graduate programs for COBA; prior or concurrent enrollment in and a minimum grade of "C" in MGNT 7331.

CISM 7334 IT Strategy and Policy
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course emphasizes competitive advantage as a driver in information systems design and deployment. Among topics examined are: achieving sustainable competitive advantage via IT, how IT can be used to create business value, measuring returns on IT investments, developing an IT strategic plan, alignment of IT with corporate strategy, IT governance & ethics, outsourcing IT, developing IT as an organizational core competency, and improving business processes through the application of IT.
Prerequisite(s): Graduate standing and permission of Director of Graduate programs for COBA; prior or concurrent enrollment in and a minimum grade of "C" in MGNT 7331.

CISM 7335 Business Intelligence and Performance Management Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This courses focuses on the process of decision making, decision support systems, data warehousing, extraction, transformation and load (ETL) processes, on-line analytical processing (OLAP), enterprise performance management systems, and data mining. A number of software products from SAP are featured in this course, as well as software from other vendors.
Prerequisite(s): Completion of CISM 7330 is recommended.
CISM 7336 Enterprise Information Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
Many organizations use large enterprise information systems, such as SAP, as the core of the financial, human resource, logistics, and manufacturing information systems. This course focuses on Enterprise Resource Planning (ERP) using SAP, along with Enterprise Architecture and other methods to implement an enterprise information solution. Special topics include managing SAP projects successfully.
Prerequisite(s): Completion of CISM 7330 is recommended.

CISM 7339 ERP Certification Review
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses the integration of business processes within SAP and prepares students for SAP's C_TERP10_60 certification exam. It serves as a capstone course for the ERP Certificate program and components of other graduate programs that include multiple courses that expose students to SAP.
Prerequisite(s): Completion of CISM 7231 is recommended.

CISM 7431 Project Management
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course focuses on the principles and processes of project management using a systematic approach to problem solving. The project management body of knowledge areas (PMBOK) is covered, along with project management life cycle in addition to traditional project management (e.g., efficiency of the project, operational performance, planning, meeting time and budget goals). This course will give special emphasis to the management of implementation projects relevant to the students' majors, e.g., Enterprise Resource Planning (ERP) for Information Systems students or Total Quality Management (TQM) for Management students. Students are also taught how to use computer software to facilitate project management, and obtaining project management certification is emphasized.
Prerequisite(s): A minimum grade of "B" in CISM 7330 and prior completion of CISM 7331 is recommended.
Cross Listing(s): MGMT 7431.

CISM 9630 Information Systems Theories and Research
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will provide doctoral students with an overview of information systems theory and current research in information systems, which will provide students the foundational knowledge to perform cross-disciplinary research between the fields of IS and other disciplines, such as Logistics/SCM.
Prerequisite(s): Acceptance to Ph.D. Program in Logistics & Supply Chain Management.

CISM 9631 Seminar in Supply Chain Information Systems
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course provides an overview of supply chain information systems and the critical role that these systems play in the ability of firms to reduce costs and increase the responsiveness of their supply chain. The value and competitive advantage of integrated supply chain management systems will be stressed along with the importance of enterprise resource planning, supply chain planning, warehouse management, and network modeling systems. SAP's SCM solutions and roadmap will be featured and emerging technologies capable of transforming supply chain operations and management will be explored.

CISM 9632 Enterprise Information Systems Theory and Practice
3 Credit Hours. 3 Lecture Hours. 0 Lab Hours.
This course will provide doctoral students with an overview of current research in Enterprise Information Systems, with special emphasis on ERP (Enterprise Resource Planning) systems. This course will emphasize the design, implementation, and management aspects of these systems (e.g., EIS project management, architecture). Completion of this course will prepare doctoral students to perform research within the EIS subfield.
Prerequisite(s): Acceptance to Ph.D. Program in Logistic & Supply Chain Management.