COMPUTER INFORMATION SYSTEMS (CIS)

CIS 600. Information Systems Strategy. 3 Credits.
Students develop the ability to analyze and identify opportunities to improve the effectiveness of organizations through the use of appropriate information technologies. Technologies that influence organizational strategies, structure, risks and processes are emphasized. Ethical, global and security issues also are covered.
Offered: Every year, All

CIS 620. Data Management. 3 Credits.
The concepts, principles, issues and techniques for managing corporate data resources are covered, including techniques for managing the design and development of large database systems. Data warehousing, data mining and database administration are emphasized. Students engage in hands-on-learning and work individually or in teams to complete a real-world project using contemporary data management tools and techniques.
Offered: Every year, Fall and Spring

CIS 627. Data Warehousing. 3 Credits.
This course focuses on the design and implementation of data warehouses, identifying key architecture differences between data warehouses and transactional databases. It also focuses on the interface to data warehouses to better understand how large amounts of information are used to enable organizations to make better decisions.
Prerequisites: Take CIS 620.
Offered: Every year, Fall and Spring

CIS 628. Data Mining. 3 Credits.
This course focuses on the application of common data mining techniques. Students focus on developing business solutions by applying techniques such as market basket analysis, association rules, cluster analysis and time series.
Prerequisites: Take BAN 615.
Offered: Every year, Fall and Spring

CIS 630. Business Design and Object-oriented Analysis. 3 Credits.
This course considers systems-development methods, analysis and design techniques with a focus on object-oriented analysis and design. The application of systems analysis and design concepts using current tools, techniques and approaches is covered. Students engage in hands-on learning and work in teams to complete a real-world project using contemporary analysis and design methodologies and tools.
Offered: Every year, Summer

CIS 688. Computer Information Systems Independent Study. 3 Credits.
Offered: Every year, All

CIS 689. Computer Information Systems Independent Study. 1-6 Credits.
Offered: Every year, All

CIS 690. Project Management. 3 Credits.
This course develops a foundation of concepts and solutions required for successful completion of a project. Topics include planning, scheduling, controlling, resource allocation and performance measurement.
Offered: Every other year