

Computer Information Systems (CIS)

Courses

CIS 104. Microcomputer Database. 2 Credits.

An introduction to database design including data entry, storage, and retrieval.

Typically Offered: On sufficient demand.

Prerequisite: CIS 170.

CIS 105. Microcomputer Spreadsheets. 2 Credits.

An introduction to spreadsheets as used for data analysis and reporting including in-depth concepts and features and the types of applications adaptable to this software.

Typically Offered: On sufficient demand.

Prerequisite: CIS 170 or CSCI 160.

CIS 128. Microcomputer Hardware I. 3 Credits.

An introduction to the development and maintenance of the personal computer. Participants upgrade and assemble personal computers, configure systems, and install operating systems.

Typically Offered: Fall.

CIS 147. Principles of Information Security. 3 Credits.

A thorough examination of the field of information security. This course prepares students to make decisions about securing information in a business or personal environment.

Typically Offered: Spring.

CIS 162. Operating Systems. 3 Credits.

An in-depth coverage of the Windows operating systems geared for those students enrolled in Information Technology programs or students who want a more advanced Windows course.

Typically Offered: On sufficient demand.

CIS 164. Networking Fundamentals I. 3 Credits.

Students learn how to install a network operating system, configure and administer various networking components.

Typically Offered: On sufficient demand.

CIS 170. Introduction to Computer Information Systems. 3 Credits.

An introduction to word processing, spreadsheet, database, and operating system software. Additional topics include the history, ethics, and uses of computers in society, and emerging applications for computers.

Typically Offered: Fall, Spring.

CIS 180. Creating Web Pages I. 3 Credits.

An introduction to web page creation including topics such as HTML/XHTML, Cascading Style Sheets (CSS), fundamentals of site layout and design, and technical implementation of websites.

Typically Offered: On sufficient demand.

CIS 194. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CIS 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CIS 276. Business Language. 3 Credits.

An introduction to computer programming in a business environment. Topics include: fundamentals of program design, development, testing, implementation and documentation of common business-oriented applications. The class will utilize a current version of Microsoft Visual Basic or equivalent software.

Typically Offered: On sufficient demand.

CIS 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CIS 329. Information Systems Management. 3 Credits.

An introduction to managing information systems including user support issues and careers in a business environment.

Typically Offered: Spring.

CIS 341. Customer Relationship Management Software Administration. 3 Credits.

Instruction in administration of various aspects of Customer Relationship Management (CRM) software. Topics include setting up and managing users, security and data access, customization, reports, and support. This class will use Salesforce or a similar software package.

Typically Offered: Spring.

CIS 369. Enterprise Systems. 3 Credits.

An exploration of how enterprise systems help companies integrate business functions and improve business processes. Students will identify and discuss integration points including impacts to accounting.

Typically Offered: Fall, Spring.

Same As: ACCT 369/CIS 369.

CIS 371. Enterprise Systems II. 3 Credits.

An exploration of how organizations analyze and implement ERP systems or other relevant enterprise systems by completion a project to configure, implement, and test business processes. This course builds upon knowledge in other courses using ERP.

Typically Offered: Spring.

CIS 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CIS 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CIS 410. Advanced Business Languages. 3 Credits.

An exploration of intermediate and advanced topics in business languages utilizing Visual Basic or equivalent software.

Typically Offered: On sufficient demand.

Prerequisite: CIS 276.



CIS 420. Internet Languages. 3 Credits.

Instruction in intermediate and advanced Internet language and the theory needed to integrate databases for web-based applications such as E-commerce.

Typically Offered: On sufficient demand.

Prerequisite: CIS 180.

CIS 440. Advanced Digital Web Design. 3 Credits.

Instruction in digital design theory and intermediate to advanced web languages needed to create complex and effective web sites.

Typically Offered: On sufficient demand.

Prerequisite: CIS 180.

CIS 460. Enterprise Architecture. 3 Credits.

This course explores the design, implementation and management of enterprise IT solutions.

Typically Offered: Spring.

CIS 465. IS Strategy Management and Acquisition. 3 Credits.

This course explores the issues and approaches in managing the information systems function in organizations and how the IS function integrates, supports and enables various types of organizational capabilities.

Typically Offered: Fall.

CIS 470. Customer Relationship Management (CRM) and Business Intelligence (BI). 4 Credits.

An exploration of Customer Relationship Management (CRM) and Business Intelligence (BI) and how CRM and BI software systems are used by organizations to support their strategic goals. This course covers business analysis on data warehousing systems.

Typically Offered: Fall, odd years.

CIS 475. Integration of Business Processes in SAP ERP. 6 Credits.

Immersion into the concepts of ERP and integration points between different business disciplines supporting each business process cycle. This course introduces the basic processes of SAP ERP.

Typically Offered: Summer.

CIS 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

CIS 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.