

# Information Systems (ISYS)

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## **ISYS 1301 Personal Computer Applications 3 SCH (3-0)**

Introduction to personal computer terminology, operations and applications including word processing, spreadsheets, presentation graphics, databases, the Internet and e-mail utilization. Open to all majors.

## **ISYS 3302 Business Appl Using C++.Net 3 SCH (3-0)**

Concepts and applications of the C++ programming language for business and industry using Visual Studio.NET. Prerequisite: ISYS 3330.

## **ISYS 3320 Responsive Web Site Design 3 SCH (3-0)**

Methods and techniques of developing a moderately complex web site; after the foundation language has been established, the aid of a web editor will be introduced. Prerequisite: Junior standing.

## **ISYS 3330 Info Sys and Bus Analytics 3 SCH (3-0)**

Management decision support systems, concepts of system analysis and design and information processing; data management and the development of business analytics. Prerequisites: BUAD 3355 or permission of the instructor.

## **ISYS 3340 Databases & Data Warehousing 3 SCH (3-0)**

Database design with emphasis on Relational Database Model. Concepts on data warehousing and on-line analysis processing (OLAP). Prerequisite: ISYS 3330. (Credit may only be obtained for one of the following classes: FINC 3340, MGMT 3340, MKTG 3340, or ISYS 3340.)

## **ISYS 3351 Database Design and SQL 3 SCH (3-0)**

Basic database design and introduction to structured query language (SQL). Includes instruction on creating user interface forms for a database.

## **ISYS 3356 Systems Analysis and Design 3 SCH (3-0)**

Analysis and design techniques required for implementing medium to large-scale computer information systems. Development of requirements for personnel, software and equipment for typical applications. Prerequisites: ACCT 2302 and ISYS 3330. (Credit may only be obtained for one of the following classes: FINC 3356, MGMT 3356, MKTG 3356, or ISYS 3356.)

## **ISYS 3358 Business Information Systems 3 SCH (3-0)**

A comprehensive study of the use of information technology as an organizational resource, including the implementation of disciplined processes and management development to effectively exploit the power of modern information technology. (Credit may only be obtained for one one of the following classes: FINC 3358, MGMT 3358, MKTG 3358, or ISYS 3358.)

## **ISYS 3364 Program in Visual BASIC.NET 3 SCH (3-0)**

Fundamentals and techniques of programming for business applications using Visual Studio.NET. Prerequisite: ISYS 3330.

## **ISYS 4303 Client Server Appl Devel 3 SCH (3-0)**

Client/Server application development practices and tools. Emphasis on developing distributed database applications that support the information processing needs of business. Topics include: object-oriented program design, programming with object-oriented development platforms and the use of embedded Structured Query Language for database transaction processing. Prerequisite: Junior standing.

## **ISYS 4306 Data Comm & Networking I 3 SCH (3-0)**

Applications requiring data communication, internal and external influences on data communication systems and service providers, data transmission, standards and architectures, management of network design and operation, local area networks, and future issues. Prerequisite: ISYS 3330 or equivalent.

## **ISYS 4320 Predictive Analytics for Business 3 SCH (3-0-0)**

An introduction to data mining techniques for efficient data retrieval and process. Identify and discern the right predictive analytic techniques for diverse business problems. Prerequisites: BUAD 3355 and ISYS 3330. (Credit may only be obtained for one of the following classes: FINC 4320, MGMT 4320, MKTG 4319, or ISYS 4320.)

## **ISYS 4340 Internship in Info Systems 3 SCH (0-3)**

An off-campus learning experience allowing the acquisition and application of information technology skills in an actual work setting. Prerequisite: approval of the department chair.

## **ISYS 4350 Information Security 3 SCH (3-0)**

Examination of the discovery of and preparation for potentially disabling threats and various defensive techniques to ensure organizational network security. Prerequisite: junior standing.

## **ISYS 4358 Info Systems Project Mngt 3 SCH (3-0)**

Planning, organizing and control activities required for effective information systems management. Prerequisite: ISYS 3356 or FINC 3356 or MGMT 3356, or MKTG 3356 (Credit may only be obtained for one of the following classes: FINC 4358, MGMT 4359, MKTG 4358, or ISYS 4358.)

## **ISYS 4360 Enterprise Risk Management 3 SCH (3-0)**

Exposes students to techniques organizations use to manage the ever-increasing corporate risks threatening the organization's business model and strategic plan. The course combines qualitative and quantitative approaches for measuring and managing organizational and operational risks. Prerequisites: FINC 3321 and ISYS 3330, and Junior Standing.

**ISYS 4370 Computer Forensics 3 SCH (3-0)**

Principles and techniques of conducting computing investigations. Computer forensics involves obtaining and analyzing digital information for use as evidence in civil, criminal, or administrative cases. Prerequisites: None.

**ISYS 4395 Special Topics Infor. Systems 1-3 SCH (1-3)**

Research in selected fields of computer information systems. May be repeated for credit. Prerequisite: consent of instructor.