INFORMATION SYSTEMS (ISYS)

ISYS 1301  Personal Computer Applications  3 SCH (3)
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)
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)
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)
Management decision support systems, concepts of system analysis and design and information processing; data management and the development of business analytics. Prerequisites: BUAD 3335, BUAD 3355 and MATH 1324; or permission of the instructor.

ISYS 3351  Database Design and SQL  3 SCH (3)
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)
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 not be obtained in both ACCT 3356 and ISYS 3356.

ISYS 3358  Business Information Systems  3 SCH (3)
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.

ISYS 3364  Program in Visual BASIC.NET  3 SCH (3)
Fundamentals and techniques of programming for business applications using Visual Studio.NET. Prerequisite: ISYS 3330.

ISYS 4303  Client Server Appl Devel  3 SCH (3)
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. Prerequisites: ISYS 3351.

ISYS 4304  Database Administration  3 SCH (3)
Database administration, including creating databases, setting user logins and permissions and backup and recovery. Intermediate-level use of structured query language (SQL). Prerequisite: ISYS 3351.

ISYS 4306  Data Comm & Networking I  3 SCH (3)
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 4308  Data Comm & Networking II  3 SCH (3)
Installation, administration, interoperability and security issues associated with the implementation of typical business networks. Prerequisite: ISYS 4306.

ISYS 4340  Internship in Info Systems  3 SCH (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)
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)
Planning, organizing and control activities required for effective information systems management. Prerequisite: ISYS 3356.

ISYS 4380  Senior Research  3 SCH (3)
Research study under supervision of instructor resulting in a paper to be presented at a research symposium approved by the instructor. Prerequisites: senior standing and consent of instructor.

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.