Courses

ISYS 209 Business Information Systems Concepts
Credits 3.3 Lecture Hours.
Introduction to the use of computers in data and document management and as a problem-solving tool for business; fundamental concepts of information technology and theory; opportunities to use existing application software to solve various business information systems oriented problems. May not be used to satisfy degree requirements for majors in business.
Prerequisite: ISYS 250; admission to upper division in Mays Business School.

ISYS 210 Fundamentals of Information Systems
Credits 3.3 Lecture Hours.
Introduction to information systems concepts; study of information systems in the functional areas of business; overview of hardware, software and popular operating systems; study of problem solving tools; human factors.
Prerequisite: For business majors.

ISYS 250 Business Programming Logic and Design
Credits 3.3 Lecture Hours.
Development of structured and object-oriented program logic and design in solving business programming problems; writing, documenting, debugging and testing computer code; emphasis on good coding techniques and logical thinking.
Prerequisite: ISYS 210 or approval of instructor.

ISYS 281 Professional Development Information Systems Seminar
Credit 1.1 Other Hour.
Exposure to professional issues, contemporary information systems topics, potential MIS careers and employers. May be taken three times for credit.
Prerequisite: Admission to Mays Business School; intend to major in management information systems.

ISYS 300/SCMT 300 Business Communications I
Credit 1.1 Lecture Hour.
Proper techniques for writing major-specific business communications; progress report, memorandum, letter, executive summary; verbal communications via phone call and person-to-person communications; critiques of personal and peer writing.
Prerequisites: Junior or senior classification; MISY majors only.
Cross Listing: SCMT 300/ISYS 300.

ISYS 310 Network Communications and Infrastructure
Credits 3.3 Lecture Hours.
Concepts, technologies and applications of on-line and network-based systems; analysis and design of data communications; requirements in an information system environment; impact on business organizations; installation, configuration and management of virtual servers.
Prerequisite: ISYS 250; admission to upper division in Mays Business School.

ISYS 315 Database Programming
Credits 3.3 Lecture Hours.
Use and application of Structured Query Language (SQL); Database Management Systems (DBMS) in the solution of business problems; database programming.
Prerequisites: ISYS 310; ISYS 320; or approval of instructor.

ISYS 320 Business Systems Analysis and Design
Credits 3.3 Lecture Hours.
Techniques and methods currently used in system analysis and design including object oriented methods; use of automated tools to support systems development.
Prerequisite: ISYS 250; admission to upper division in Mays Business School.

ISYS 325 Business Object Oriented Programming with Java
Credits 3.3 Lecture Hours.
Introduction of abstract data types, inheritance, object identity, polymorphism as they relate to building business objects and business classes; use of Java programming language depicting the object orientation concepts; use of class libraries and Java packages for business object construction.
Prerequisites: Admission to upper division in Mays Business School; ISYS 250.

ISYS 400/SCMT 400 Business Communications II
Credit 1.1 Lecture Hour.
Development of critical interpersonal and oral communication skills; strategies for positive team development; conflict resolution; oral presentations and information elicitation; production of effective visual aids.
Prerequisites: Senior classification; MISY majors only.
Cross Listing: SCMT 400/ISYS 400.

ISYS 410 Management of Information Systems
Credits 3.3 Lecture Hours.
Strategic management of information systems; change and risk management processes during information systems implementation; role of information systems to support business goals; writing business cases for request for proposals and responses; project management techniques.
Prerequisite: ISYS 310; ISYS 320; or approval of instructor.

ISYS 415 Information Systems Capstone Project
Credits 3.3 Lecture Hours.
Design and development of information system software based on technical specifications; multi-platform environment; database server and web server software deployment.
Prerequisites: ISYS 315; ISYS 410; or approval of instructor.

ISYS 420 Web-Enabled Applications
Credits 3.3 Lecture Hours.
Distributed business applications using the World Wide Web; advanced discussions of the concepts of internet, intranet, extranet; different methods to design web-enabled applications; active web applications; cutting edge website design; legacy to web integration; use of web-oriented languages.
Prerequisites: ISYS 315.

ISYS 425 Complex Business Application Design
Credits 3.3 Lecture Hours.
Business application development alternatives; COM and CORBA object models; use of Visual Basic; use of ActiveX controls, ActiveX Servers and ActiveX Documents.
Prerequisites: ISYS 250; senior classification.
ISYS 450 Business Intelligence and Data Mining  
Credits 3. 3 Lecture Hours.  
Rationale for Business Intelligence and data mining through business case studies; lab training using data mining software; and process of data mining by using commercial data mining software on large data sets.  
Prerequisites: Grade of "C" or better in SCMT 303 or equivalent; junior or senior classification.

ISYS 455 Business Information Security and Risk Management  
Credits 3. 3 Lecture Hours.  
Explores business, managerial and technological aspects of information security; analysis, design, implementation and management issues surrounding effective information security; includes risk management, business continuity planning, security policy development.  
Prerequisite: ISYS 310.

ISYS 460 E-Services  
Credits 3. 3 Lecture Hours.  
Examines the deployment and utilization of information technologies by businesses, governments and not for profit organizations to deliver services, with applications in banking and financial advisory services, healthcare, and federal, state and local governments.  
Prerequisite: Senior classification in business or approval of instructor.

ISYS 481 Information Systems Seminar  
Credit 1. 1 Other Hour.  
Exposure to professional issues, contemporary information systems topics, potential MIS careers and employers. May be taken three times for credit.  
Prerequisite: Admission to upper division in Mays Business School; or approval of instructor.

ISYS 484 Management Information Systems Internship  
Credits 1 to 4. 1 to 4 Other Hours.  
A directed internship in an organization to provide students with a learning experience supervised by professionals in organizational settings appropriate to the student's professional objectives. Must be taken on a satisfactory/unsatisfactory basis.  
Prerequisites: Management Information Systems major and approval of academic advisor and instructor.

ISYS 485 Directed Studies  
Credits 1 to 4. 1 to 4 Other Hours.  
Directed study of selected problems in an area of management information systems not covered in other courses.  
Prerequisites: Admission to upper division in Mays Business School and approval of academic advisor and instructor.

ISYS 489 Special Topics in...  
Credits 1 to 4. 1 to 4 Lecture Hours. 0 to 4 Lab Hours.  
Selected topic in an identified field of management information systems.  
Prerequisites: Admission to upper division in Mays Business School and approval of academic advisor and instructor.