INFORMATION SYSTEMS MANAGEMENT

Academic Year

2013-2014

School

Bill Greehey School of Business School Web site

School Dean

Tanuja Singh, D.B.A. tsingh@stmarytx.edu

Department

Finance and Quantitative Management

Department Chair

David W. Sommer, Ph.D. dsommer@stmarytx.edu

Description of Program/Major

Information is a corporate asset that is dependent on the implementation of effective computer-based systems. Development of these data systems requires knowledge of the enterprise and its functions, as well as technical competence. Individuals interested in the use of computerized management information systems, including design, analysis, and interpretation of computerized systems as aids to making decisions, should consider this major at St. Mary's University. Information systems management is a people-oriented career that requires excellent communication skills and the ability to work well in groups.

Degree Requirements

Core Curriculum (SMC)

St. Mary's University Core (30 Hours)
All St. Mary's Core SMC13## "Reflection" courses must be completed before registering for SMC23## "Practice" courses. "Reflection" courses can be taken in any order followed by "Practice" courses in any order.

SMC 1301	Foundations of Civilization	3
SMC 1311	Foundations of Reflection: Self	3
SMC 1312	Foundations of Reflection: Nature	3
SMC 1313	Foundations of Reflection: Others	3
SMC 1314	Foundations of Reflection: God	3
SMC 2301	Foundations of Practice: Ethics	3
SMC 2302	Foundations of Practice: Civic Engagement and Social Action	3
SMC 2303	Foundations of Practice: Fine Arts and Creative Process	3
SMC 2304	Foundations of Practice: Literature	3
SMC 4301	Capstone Seminar: Prospects for Community and Civilization	3

School Specific Core (SSC)

Bill Greehey School of Business School Specific Core (21 Hours)

Social Sciences	EC 2301, EC 2302	6
Composition and Rhetoric (grade of "C" or better)	EN 1311, EN 1313 (for international students)	3
Literature	EN 23XX	3
Mathematics	MT 1305 Finite Math	3
Theology	Advanced Theology 33XX	3
Speech	MN 3320 Business Communications	3

Bill Greehey School of Business School Common Body of Business Knowledge (42 Hours)

AC 2310	Introduction to Accounting I	3
AC 2320	Introduction to Accounting II	3
AC 3331	Accounting Information Systems	3
BA 1310	Fundamentals of Business Enterprise	3
BA 3351	Legal Environment of Business	3
BA 4334	Business Ethics	3
BA 4380	Business Policy and Strategy	3
FN 3310	Corporate Finance	3
IB 3321	US Business in Interdependent World	3
MT 1306	Calculus for Business	3
MK 3310	Principles of Marketing	3
MN 3330	Organizational Behavior	3
QM 3320	Business Statistics	3
QM 4330	Operations Management	3

Four Year Degree Plan

Sample 4-year degree plan

Department Courses and Descriptions

QM 3320
Business Statistics (3)
An introduction to basic statistical theory and applications to business problems. Emphasis on probability, averages, and dispersion, time series and index numbers, estimation and testing, regression and correlation. Introduction to computer packages. Prerequisite: MT 1305 and MT 1306.

QM 3330
Management Information Systems (3)
An introduction to the use of computers and information for problem solving and decision making in management environments; introduction to essential computer technology, information systems development methodology, and management of computer and information as strategic resources; spreadsheet and database applications for management.

QM 3340
Managing Business Projects (3)
This course provides a management perspective on managing projects. It examines the basic nature of managing business, public, engineering, and information systems projects, including the specific in sights and techniques required. Issues such as the selection and management of the project team, project initiation, implementation, and termination are addressed.

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QM 3342
Database Management (3)
Introduction to theory of database management systems as applied in private and public, profit and non-profit organizations. Balance of managerial and technical issues. Strategic aspects of information as a corporate resource and database planning. Database design, development, and administration using commercial database management systems for personal and multiuse computers and fourth generation languages. (Fall)

QM 3360
Enterprise Resource Planning Systems/SAP (3)
The ERP/SAP course will be an overview of Enterprise Resources Planning (ERP) using SAP soft ware. Students should gain an understanding of the impact ERP systems have on organizations using SAP as a working example. Topics include business process reengineering, choosing an ERP system, ERP risk factors, and implementation issues

QM 4100
Special Studies in Information Systems Management (1)
A study of selected topics in Information Systems Management. Specific subject indicated each time the course is offered. May be used as elective credit and repeated when specific subject changes. Prerequisite: Consent of instructor

QM 4200
Special Studies in Information Systems Management (2)
A study of selected topics in Information Systems Management. Specific subject indicated each time the course is offered. May be used as elective credit and repeated when specific subject changes. Prerequisite: Consent of instructor

QM 4300
Special Studies in Information Systems Management (3)
A study of selected topics in Information Systems Management. Specific subject indicated each time the course is offered. May be used as elective credit and repeated when specific subject changes. Prerequisite: Consent of instructor

QM 4330
Operations Management (3)
The management of the production and operations functions will be examined. Qualitative and quantitative methods will be used to analyze forecasting, system design, quality, inventory management, scheduling, supply chain management, and project management. (Fall) Prerequisite: QM 3320.

QM 4340
Business Intelligence (3)
Development and application of the strategies, methods, and techniques used in data mining, predictive analytics, and other decision support systems. The course employs testing, documenting and using software programs in functional areas of business such as Finance, Production, Marketing, and Accounting. The use of SAS software is employed for hands-on experience. Prerequisite: QM 3320.

QM 4361
Advanced Excel (3)
This course is intended to provide a seminar of the principles associated with the application of information technologies in business organizations. It will cover hardware technologies, software applications, personnel, procedures, and issues associated with management of an information systems function. It will also address the challenges IT managers face managing IT enables organizations. (Fall).

QM 4365
Strategy, Managment & Aquisition (3)
This course aids in the understanding and building of end-user applications using Excel and elements of VBA. This course helps expand knowledge of the built-in functions with a focus on financial and statistical needs. Other Excel tools for macros and data analysis will be introduced. (Spring).

QM 4370
E-Business (3)
The course provides an introduction to eBusiness in a global environment. The material covered includes: (1) technologies, infrastructures and mechanisms that enable the development of eBusiness, (2) business models that include foreign outsourcing and their impact on organizational culture and diversity, (3) issues that are being raised in the areas of privacy, intellectual property, and security, and (4) the impact of the digital divide and other ethical and political topics.

QM 4375
Internship in Information Systems Management (3)
The opportunity to gain knowledge through work experience activities in professional life. Prerequisites: Consent of the associate dean, faculty supervisor, major adviser, and department chairperson, minimum overall GPA of 2.5, successful completion of QM 3330, and completion or concurrent enrollment in an Information Systems Management major course. Pass/No Pass credit is given. (Fall; Spring; Summer)

Department Faculty

Information Systems Management Faculty Website

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