Baccalaureate Degree Program in Information Systems Management
Department of Computer Information Systems and Technology

PROGRAM ASSESSMENT PLAN

Program Outcomes and Learning Assessment Criteria

Summer 2007

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PROGRAM OVERVIEW

The Information Systems Management major provides students with the skills needed to successfully participate in and support the increasingly important role of information technology in corporate decision making. The curriculum, modeled upon the Informing Science (IS2002) Model Curriculum for Information Systems Programs, focuses on the methods, concepts, and practical applications of information systems in the workplace. The program develops student ability to conceptualize and manage the design and implementation of high-quality information systems.

PROGRAM OF STUDY

The program of study for the Baccalaureate Degree Program in Information Systems Management is as follows:

GENERAL EDUCATION REQUIREMENTS

Communications	12 credit hours
Arts and Humanities	6 credit hours
Behavioral and Social Sciences	6 credit hours
Biological and Physical Sciences	7 credit hours
Mathematics	3 credit hours
Interdisciplinary or Emerging Issues	7 credit hours

CROSS-CURRICULAR PERSPECTIVE REQUIREMENTS

Historical Perspective	3 credit hours
International Perspective	3 credit hours
Civic Responsibility Perspective	3 credit hours

REQUIRED COURSES

STAT 200	Introduction to Statistics	3 credit hours
CMIS 141 or 141A	Fundamentals of Programming or other programming course	3 credit hours
IFSM 300	Information Systems in Organizations	3 credit hours
IFSM 310	Software and Hardware Concepts	3 credit hours
FSM 410	Database Concepts	3 credit hours
IFSM 461	Systems Analysis and Design	3 credit hours

PROGRAM OF STUDY (continued)

IFSM 303	Human Factors in Information Systems or other upper-level IFSM course	3 credit hours
IFSM 430	Information Systems and Security or other upper-level IFSM course	3 credit hours
IFSM 438	Project Management or other 400-level IFSM course	3 credit hours
IFSM 432	Disaster Recovery Planning Or other upper-level course CMIS, CMIT, CMSC, CMST or IFSM	3 credit hours
IFSM 450	Telecommunication Systems in Management or other supplemental major course	3 credit hours

MINOR AND ELECTIVE COURSES 37 credit hours

Minor and/or elective courses are to be taken in the last 60 hours along with required major courses. Refer to the current UMUC School of Undergraduate Studies Catalog for the minor and/or elective course requirements.

DEVELOPMENT OF PROGRAM OUTCOMES

The table below identifies the curricular influences that support the program outcomes specific to the Baccalaureate Program in Information Systems Management.

SOURCES/RESOURCES PROVIDING CURRICULAR FOUNDATION FOR PROGRAM OUTCOMES Baccalaureate Degree Program in Information Systems Management		
SOURCE	**DESCRIPTION**	**WEB ADDRESS OR DOCUMENT NAME (if applicable)**
Core Learning Areas of the UMUC School of Undergraduate Studies	All UMUC degree programs are required to imbed identified Core Learning Areas into the program of study. The Core Learning Areas are: • Written Communication (COMM) • Technology Fluency (TECH) • Information Literacy (INFO) • Quantitative Literacy (QUAN) • Critical Thinking (THIN) • Scientific Literacy (SCIE) The expanded definition for each Core Learning Area was considered in creating the respective program outcome.	UMUC Institutional Plan for the Assessment of Student Learning
Model Curriculum and Guidelines for Undergraduate Degree Program in Information Systems (IS 2002)	The Model Curriculum and Guidelines for Undergraduate Degree Program in Information Systems is a collaborative effort by the Association for Computing Machinery (ACM), Association for Information Systems (AIS), and the Association of Information Technology Professionals (AITP) which defines a model IS curricula based on degree programs in the United States and Canada.	http://192.245.222.212:8009/IS2002Doc/IS%202002%2012-31-2002.pdf
Working Groups	UMUC-Asia, UMUC-Adelphi, and UMUC-Europe faculty members and administrators provide input into the major.	
External Reviewer	An external reviewer was charged to provide consultation in the review of degree coursework.	IFSM Academic Program Review (2001) IFSM Academic Program Review (June 2007)

SOURCES/RESOURCES PROVIDING CURRICULAR FOUNDATION FOR PROGRAM OUTCOMES Baccalaureate Degree Program in Information Systems Management		
SOURCE	**DESCRIPTION**	**WEB ADDRESS OR DOCUMENT NAME (if applicable)**
World Wide Web Consortium	The World Wide Web Consortium provides current technology guidelines for web development and related issues, such as programming standards and accessibility.	http://www.w3.org/

PROGRAM OUTCOMES

The program outcomes specific to the Baccalaureate Degree Program in Information Systems Management are delineated below. The program outcomes describe the expectations for all graduates of the Baccalaureate Degree Program in Information Systems Management.

CORE LEARNING AREA	PROGRAM OUTCOMES Baccalaureate Degree Program in Information Systems Management
	Upon completion of the Baccalaureate Degree Program in Information Systems Management, graduates will be able to:
COMM	Create written communication appropriate for the purpose and which meets standards of style and grammatical correctness.+
	Communicate effectively using oral, written, and multimedia techniques .*
TECH	Evaluate technological concepts related to computers and components of information systems.+
	Apply standard systems practices to the planning, implementation, management, and evaluation of information systems.*
INFO	Address recognized research needs by retrieving, evaluating, and using information appropriately.+
	Use technology to research information needed to produce informed decision for organizations.*
QUAN	Apply mathematical and numerical reasoning skills.+
	Apply appropriate problem-solving methodologies to the analysis and solution of problems.*
THIN	Demonstrate skills in systems analysis appropriate to the management of information systems projects.*
SCIE	Identify key concepts and principles of natural sciences.+
	Recognize and weigh scientific hypothesis, theories, and evidence.*

+ Denotes a program outcome specific to core skills, knowledge, and values gained from completion of the general education requirements. This program outcome is common across all UMUC baccalaureate degree programs.
* Denotes a program outcome specific to core skills, knowledge, and values gained from completion of requirements in the baccalaureate degree program. This program outcome is unique to each UMUC baccalaureate degree program.

ALIGNMENT OF PROGRAM OUTCOMES WITH LEARNING OBJECTIVES AND ASSESSMENT METHODS

The following grid aligns the program outcomes of the Baccalaureate Degree Program in Information Systems Management with: 1) learning objectives from the designated program coursework and 2) specific methods used to assess student learning within the degree program.

CURRICULAR ALIGNMENT Baccalaureate Degree Program in Information Systems Management			
CORE LEARNING AREA	**PROGRAM OUTCOMES**	**LEARNING OBJECTIVE(S) AND CORRELATING COURSEWORK**	**METHOD(S) OF ASSESSMENT**
COMM	Create written communication appropriate for the purpose and which meets standards of style and grammatical correctness.+	Plan and write a research-based essay that makes effective use of resources found in databases available from UMUC's Office of Information and Library Services as well as resources located through Web search engines. (WRTG 101)	Research Paper
		Research, compile, and document relevant, credible information and use it to support ideas presented in your writing. (WRTG 393)	Research Paper
		Collect, select, analyze, interpret, and organize data, and use it appropriately in business communications, including a long formal report. (WRTG 394)	Research Paper
		Conduct a systematic audience analysis and apply it to a report, essay, or research paper. (WRTG 391)	Research Paper

CURRICULAR ALIGNMENT Baccalaureate Degree Program in Information Systems Management			
CORE LEARNING AREA	**PROGRAM OUTCOMES**	**LEARNING OBJECTIVE(S) AND CORRELATING COURSEWORK**	**METHOD(S) OF ASSESSMENT**
	Communicate effectively using oral, written, and multimedia techniques.*	Research, evaluate, and report on historical and current differences in development and application of computer architecture as found in the global marketplace. (IFSM 310)	Research Paper
TECH	Evaluate technological concepts related to computers and components of information systems**.+**	Analyze issues faced by information system professionals, including security, ethical, and privacy problems. (IFSM 201)	Exam (Course/Chapter)
	Apply standard systems practices to the planning, implementation, management, and evaluation of information systems.*	Apply information systems management techniques, procedures, and methods to practical national and international information technology and business issues. (IFSM 300)	Other: Excel/Writing Assignment
INFO	Address recognized research needs by retrieving, evaluating, and using information appropriately.+	Select relevant print and electronic sources to answer research questions. (LIBS 150)	Exam (Course/Chapter)
	Use technology to research information needed to produce informed decision for organizations.*	Research, evaluate, and report on historical and current differences in development and application of computer architecture as found in the global marketplace. (IFSM 310)	Research Paper
QUAN	Apply mathematical and numerical reasoning skills.+	Solve linear, quadratic, higher-order polynomial, fractional, radical, exponential, logarithmic, and absolute value equations and inequalities. (MATH 107) Develop problem solving skills. (MATH 105 or MATH 106)	Exam (Course/Chapter) Exam (Course/Chapter)
	Apply appropriate problem-solving methodologies to the analysis and solution of problems.*	Define and use basic statistical terms. (STAT 200)	Exam (Course/Chapter)

CURRICULAR ALIGNMENT Baccalaureate Degree Program in Information Systems Management			
CORE LEARNING AREA	**PROGRAM OUTCOMES**	**LEARNING OBJECTIVE(S) AND CORRELATING COURSEWORK**	**METHOD(S) OF ASSESSMENT**
THIN	Demonstrate skills in systems analysis appropriate to the management of information systems projects.*	Produce an in-depth analysis of the use of structured tools and techniques using traditional systems flow-charting methodologies. (IFSM 461)	Case Study
SCIE	Identify key concepts and principles of natural sciences.+	Recognize the differences and the interrelationships among physics, chemistry, the earth sciences, and astronomy. (NSCI 100) Explain the significance of DNA in determining the composition, characteristics, reproduction, and behavior of an organism. (BIOL 101)	Exam (Course/Chapter) Exam (Course/Chapter)
	Recognize and weigh scientific hypothesis, theories, and evidence.*	Demonstrate an understanding of the classical systems development life cycle and give an overview of several alternative development approaches. (IFSM 461)	Other: Individual Demonstrations

\+ Denotes a program outcome specific to core skills, knowledge, and values gained from completion of the general education requirements. This program outcome is common across all UMUC baccalaureate degree programs.

* Denotes a program outcome specific to core skills, knowledge, and values gained from completion of requirements in the baccalaureate degree program. This program outcome is unique to each UMUC baccalaureate degree program.