

## Bachelor of Science in Business Administration: INFORMATION SYSTEMS 2006-2009 Major and General Education Requirements

All students must complete at least 120 semester credits including major, general education, and elective credits.

### MAJOR REQUIREMENTS

**LOWER CORE:** Students must earn a "C" or better in each lower-core course.

<u>Required Courses*</u>		<u>Credits</u>
___	Enex 101 English Composition	3
___	Comm 111A Introduction to Public Speaking	3
___	Math 117 Probability and Linear Math	3
___	CS 172 Intro. to Computer Modeling	3
___	Math 241 Statistics	4
___	IS 270 Management Info. Systems	3
___	Econ 111S Microeconomics	3
___	Econ 112S Macroeconomics	3
___	Acct 201 Financial Accounting	3
___	Acct 202 Managerial Accounting	3
___	IS 257 Business Law	3
<b>SUBTOTAL</b>		<b>34</b>

\*Students must complete at least 60 cumulative credits and all lower-core classes before taking 300- & 400-level business classes.

### UPPER CORE

<u>Required Courses</u>		<u>Credits</u>
___	Fin 322 Business Finance	3
___	Mgmt 340S Mgmt & Org Behavior	3
___	IS 341 Operations Management	3
___	Mktg 360 Marketing Principles	3
<b>SUBTOTAL</b>		<b>12</b>

### INFORMATION SYSTEMS MAJOR

<u>Required Courses</u>		<u>Credits</u>
___	IS 370 Database Management Systems	3
___	IS 371 Business Applications Develop.	3
___	IS 372 Telecommunications Mgmt.	3
___	IS 373 Systems Analysis and Design	3
___	IS 476* Project Management	3
___	IS 491 IS Practicum OR IS 498 Internship	3
*IS 370, 371, and 373 are the prerequisites for IS 476.		
<b>Plus two courses (6 credits) of the following:</b>		
___	IS 452 Management Science	3
___	IS 453 Manufacturing Plan. & Control	3
___	IS 471 Fund. Of Network Management	3
___	IS 474 Advance Network Management	3
___	IS 475 Advanced Tech Support	3
___	IS 477 Multi-media Development	3
___	IS 478 Dev. Of E-Commerce Systems	3
___	IS 495 Special Topics	3-6
___	IS 496 Independent Study	3-6
___	MKTG 460 Marketing of High Tech Products	3
___	ACCT 310 Accounting Information Systems	3
___	CS 181 Elect. Publishing on the WWW	3
___	Upper-division Computer Science course	3-6
___	C&I 341 Information Mgmt and Design	3
___	C&I 444 Adv. Technology & Supervision	3
___	Math 381 Discrete Optimization	3
___	Math 382 Linear Optimization	3
<b>SUBTOTAL</b>		<b>24</b>

### CAPSTONE COURSE

All lower- and upper-core courses must be successfully completed prior to taking a capstone course.

<u>One of the Following:</u>		<u>Credits</u>
___	MGMT 445 Small Business Mgmt, or	
___	MGMT 446 Strategic Management, or	
___	IS 448 Management Game	3
<b>SUBTOTAL</b>		<b>3</b>

**TOTAL Required for IS Major** **73**

### GENERAL EDUCATION REQUIREMENTS

Beginning Fall 2005, students must earn a "C-" or better in all general education courses. A "C" or better is required for ENEX 101 and Math 117.

#### WRITING

<b>A) UM ENEX 101</b> (or transfer equivalent) with C or better	3
<b>B) One approved writing course</b> (Student exempt if more than 27 credits transferred at initial UM registration)	3
<b>C) Successfully pass UM Writing Proficiency Assessment</b>	
<b>D) Upper-division writing requirement</b> for the major Mgmt 445, or 446 or IS 448	3

#### MATH

Math 117 (or transfer equivalent) with C or better 3

#### SYMBOLIC SYSTEMS/FOREIGN LANGUAGE

Math 117	3
Math 241	4

#### PERSPECTIVES

\* 27 credits are required across the perspectives with at least two credits in each perspective. No more than 6 credits in any perspective may count toward the 27.

\*6 credits are required in Natural Science including one lab.

\*One non-western course is required in any perspective.

#### EXPRESSIVE ARTS (A)

\_\_\_ COMM 111 3

#### LITERARY AND ARTISTIC STUDIES (L)

\_\_\_ 3

#### HISTORICAL AND CULTURAL STUDIES (H)

\_\_\_ 3

#### SOCIAL SCIENCES (S)

\_\_\_ Econ 111 and Econ 112 6

#### ETHICS (E)

\_\_\_ 3

#### NATURAL SCIENCE (N) including one lab

\_\_\_ 3

\_\_\_ 3

#### 2<sup>nd</sup> COURSE IN PERSPECTIVE (A), (L), (H), OR (E)

\_\_\_ 3

**(Non-western course from above is: \_\_\_\_\_)**

(Non-western course does not count towards the 27 credits)

### Additional requirements for all UM Business Students:

\_\_\_ At least 51 credits must be earned in Business.

\_\_\_ At least 60 credits must be earned outside of Business.  
(Econ courses may count in OR out of Business.)

\_\_\_ At least 39 credits of upper division.

\_\_\_ At least 120 credits overall to graduate.

Students must earn a "C" or better in each lower-core course and a "C-" or better in all other courses taken for the major. Transfer students must earn at least 26 credits in Business at UM and 30 credits overall at UM.