DRAFT (last update: 11/26/2007)

Management Information Systems

Undergraduate Curriculum

What is MIS?

MIS deals with applying information technologies (IT) to solve business problems. MIS undergraduate curriculum will prepare you to understand the function of IT in business organizations, and it will teach you how to plan for, develop, use, and manage IT tools in order to help organizations achieve their goals related to information processing and management.

Changes in MIS curriculum (as of Fall 2008)

Starting in Fall 2008 semester, there will be the following major changes in MIS curriculum:

- *IDSC 3201 – Introduction to Programming for Systems Development (4 credits)* will be split into the following two courses:
  - *IDSC 3101 – Introduction to Programming (2 cr.)*
  - *IDSC 3102 – Intermediate Programming (2 cr.)*
- *IDSC 4203 – Information Technology Infrastructure (4 cr.)* will be split into the following two courses:
  - *IDSC 3103 – Introduction to Databases (2 cr.)*
  - *IDSC 3104 – Business Communication Technologies (2 cr.)*
- *IDSC 4204 – Information Services Management (4 cr.)* will be a writing-intensive course (*IDSC 4204W*).
- A new required 2-credit course – the MIS capstone course – will be added to the MIS curriculum (tentative course number: *IDSC 4301*).

Updated list of MIS courses (as of Fall 2008)

Core IDSC Course (required for all CSOM undergraduate students):

- **IDSC 3001** – Information Systems for Business Processes and Management (3 cr)

Main IDSC Courses (required for students majoring in MIS):

- **IDSC 3101 –** Introduction to Programming (2 cr)
- **IDSC 3102 –** Intermediate Programming (2 cr)
  Prerequisites: IDSC 3101 or instructor permission
- **IDSC 3103** – Introduction to Databases (2 cr)
  Prerequisites: IDSC 3001
- **IDSC 3104** – Business Communication Technologies (2 cr)
  Prerequisites: IDSC 3001
- **IDSC 3202 –** Analysis and Modeling for Business Systems Development (4 cr)
  Prerequisites: IDSC 3001
- **IDSC 4204W –** Information Services Management (4 cr)
  Prerequisites: IDSC 3202
  Note: This is a writing intensive course of the MIS program.
- **IDSC 4301** – MIS Capstone (2 cr)
  Prerequisites: IDSC 4204.[1]

Elective IDSC Courses:

- **IDSC 4401 –** Information Security (2 cr)
  Prerequisites: IDSC 3001
- **IDSC 4421 –** Financial Information Systems and Technologies (2 cr)
  Prerequisites: IDSc 3001
- **IDSC 4431 –** Advanced Database Design (2 cr)
  Prerequisites: IDSc 3203

[1] The list of prerequisites for the MIS Capstone course will be finalized.

- **IDSC 4441 –** Electronic Commerce (2 cr)
  Prerequisites: IDSc 3001
- **IDSC 4490 –** Information Systems Special Topics (2 cr)
  Note: Topics for various course sections are determined on a yearly basis. Currently offered topics include:
  - Accounting Information Systems
  - Business Intelligence
  - The Social Web
- **IDSc 4491 –** Independent Study in Information Systems (1-4 cr)
  Prerequisites: Instructor consent

Requirements for MIS Major (as of Fall 2008)

MIS Major: 22 credits[2], including IDSC 3101, 3102, 3103, 3104, 3202, 4204W, 4301, plus 4 credits in 4xxx level IDSC courses.

Recommended schedule for a student majoring in MIS:

	Fall Semester	Spring Semester
Sophomore Year		IDSC 3001 (3 cr) [along with 4 CSOM required integrated core courses in Marketing, Managament, Finance, and OMS at 3 credits each]
Junior Year	IDSC 3101 (2 cr), IDSC 3102 (2 cr) IDSC 3103 (2 cr), IDSC 3104 (2 cr) Other CSOM required courses and/or IDSC 3202 (4 cr)	IDSC 3202 (4 cr) [if not taken in the fall] IDSC electives and other required courses Possible study abroad
Senior Year	IDSC 4204W (4 cr) IDSC electives and other required courses	IDSC 4301 (2 cr) [Capstone course] IDSC electives and other required courses

Requirements for MIS Minor (as of Fall 2008)

MIS Minor: 12 credits, IDSc 3202, plus 8 credits in IDSc 3xxx or 4xxx level courses.

IT is for everyone: recommended courses for other CSOM majors

IDSC courses	CSOM Majors						
	Acct.	Finance	HRIR	Mktg	OMS	SChain	SMO
3101 – Introduction to Programming							
3102 – Intermediate Programming							
3103 – Introduction to Databases					X	X	
3104 – Business Communication Tech.					X	X	
3202 – Business Systems Development	H	H	H	H	H	H	H
4204W – Managing Information Services	R	R	R	R	R	R	R
4301 – MIS Capstone							
4401 – Information Security	X	X	X		X	X	
4421 – Financial Information Systems	X	X					
4431 – Advanced Database Design							
4441 – Electronic Commerce		X		X	X	X	X
4490 – Accounting Information Systems	X	X	X			X	
4490 – Business Intelligence	X	X		X	X	X	X
4490 – Social Web			X	X			X

H – Highly Recommended (required for the MIS minor)
R – Recommended
X – Suggested Electives

[2] This number is being finalized and may change (but will definitely stay between 20 and 24 credits).