

BBA IN MANAGEMENT INFORMATION SYSTEMS

TECHNOLOGY MEETS BUSINESS

MANAGEMENT INFORMATION SYSTEMS PROGRAMS

MIS is the study of technology and business organizations. MIS focuses on people, processes and information technologies that are used in organizations.

MIS majors use technology to analyze and improve the quality of life for both businesses and individuals, which involves improving operations, adding value to products, innovation and new product development.

ELECTIVES

The MIS major consists of core classes, pre-business classes, required upper-level business courses, and 8 upper-level MIS courses. Popular electives include:

Business Systems Consulting – Practical aspects of evaluation, implementation, and design of complex information systems in the consulting environment. Teams perform consulting projects for real organizations.

Network & Security Infrastructure – Coordination of the hardware and software components of data communications systems including laboratory experience.

Energy Trading Systems – Computer technologies, processes and practices in support of energy commodity trading with emphasis on the U. S. domestic market. Topics covered include a history of deregulation of energy commodities, the U. S. interstate pipeline system, basic energy deal types, financial trading and hedging, commodity risk management, and the business systems and practices necessary to succeed in the modern energy trading environment.

Management of Information Security – Models and techniques for managing and controlling the security of an organization's information assets.

Cloud and Collaboration Solutions – The course will cover: (a) Cloud Computing – offerings; usage scenarios; benefits; economics; and storage alternatives. (Microsoft Azure Platform and Microsoft Cloud Services); (b) Collaboration – document collaboration; portals; administration; customization; business process automation. (Microsoft SharePoint 2010).

CAREERS

Here are some of the careers MIS graduates choose to pursue for internships and full-time employment:

Analyst/Project Manager – This is currently the most common path for the MIS professional, and most entry level jobs for MIS majors fall into this category. The two central courses in the MIS curriculum (Systems Analysis and Design and IT Project Management) provide the core skill set for the program.

Database Technologies – Emerging technology areas in the database arena involve: data warehousing, data mining, data modeling or business analytics, and business intelligence.

IT Infrastructure – The roles of computer hardware, networking, security, and communications technologies continue to expand. A long with, “mobile technologies” and “cloud computing” becoming a common part of every corporate computing environment.

IT Consulting – Consulting firms provide another employment avenue for our graduates including specialized IT solutions, large-scale project development alternatives, and MIS planning and strategic management services.

IT Audit and Compliance – The intent of the Sarbanes-Oxley (aka SOX) law is to assure that publicly traded corporations insure that risks of fraud in financial reporting are minimized. Most large public accounting firms offer Sarbanes-Oxley advisory services, and all publicly traded companies have teams that utilize IT.

STUDENT ORGANIZATIONS

A diverse organization that focuses on MIS majors is:

Management Information Systems Student Organization (MISSO)

In addition to this Bauer Student Organization, there are 20+ more Bauer Student Organizations with whom you can interact.

UNIVERSITY of HOUSTON

C. T. BAUER COLLEGE of BUSINESS
Rockwell Career Center

Rockwell Career Center

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2019 ACADEMIC MAP

First Year

FALL		SPRING	
ENGL 1303	First Year Writing I	ENGL 1304	First Year Writing II
MATH 1314	Calculus for Business & LifeSci	MATH 1313	Finite Math with Application
HIST 1377	The United States to 1877	ECON 2305	Macroeconomic Principles
ACCT 2331	Accounting Prin. 1 – Financial	ACCT 2332	Accounting Prin. 2 – Managerial
INTB 3354	Bus. Prin. in a Global Economy	MIS 3300	Intro to Computers and MIS

Second Year

FALL		SPRING	
ECON 2304	Microeconomics	FINA 3332	Principles of Financial Mgmt.
HIST 1378	The United States Since 1877	MANA 3335	Intro to Org. Behavior & Mgmt.
GENB 3302	Connecting Bauer to Business	SCM 3301	SCM Fundamentals
MARK 3337	Professional Selling	MIS 3360 ⁷	System's Analysis & Design
STAT 3331	Statistical Analysis for Bus. Ap.	CORE	Language, Phil, and Culture

Third Year

FALL		SPRING	
POLS 1336	U.S. & Tx Constitutions & Politics	POLS 1337	U.S. Government
CORE	Life & Physical Science	CORE	Life & Physical Science
MARK 3336	Elements of Marketing Admin	MIS 3376 ⁶	Bus Apps of Database Mgt I
MIS 3370 ³	Information Systems Dev Tools	MIS 4374 ⁵	Information Tech Project Mgt
MIS 3371 ^{2,4,8}	Transaction Processing Systems I	MIS 4378	Admin of Computer-Based MIS

Fourth Year

FALL		SPRING	
NTB 3355	Global Environment of Business	GENB 4350	Business Law & Ethics
MIS ELEC ⁶	3000-4000 level MIS course	ADV BUS ELEC ⁴	3000-4000 level Business course
ADV ELEC ⁶	3000-4000 level course	ADV ELEC ⁴	3000-4000 level course
CORE	Creative Arts	GEN ELEC ⁴	1000-4000 level course
GEN ELEC ⁴	1000-4000 level course	GEN ELEC ⁴	1000-4000 level course

TECH PROFICIENCIES

Our students learn these various technologies in their required and elective coursework:

*AJAX / *AWS / *AZURE / *COBIT / *CSS 3 / *EXCEL / *ITIL / *PYTHON / *SAS / *SHAREPOINT

¹COSO / ²HTML 5 / ³JAVA / ⁴JAVASCRIPT / ⁵MICROSOFT PROJECT / ⁶ORACLE SQL / ⁷UML / ⁸XML

*PROFICIENCIES ARE LEARNED THROUGH ELECTIVE COURSES

FAST FACTS

1 of 3

Tier One Public Research Universities Designated as a Hispanic-Serving Institution.
U.S. Department of Education

\$60,615

Avg. Annual Base Salary

\$15–22

Avg. Internship Salary (Hourly)

478

Total Undergrad Students in MIS Major

22

Total Faculty in MIS Major