



**King Fahd University of Petroleum & Minerals
College of Industrial Management**



Department of Accounting and Management Information Systems

**Curriculum of the Bachelor of Science in
Management Information Systems
(B.S. in MIS)**

Structure of the Program

MIS Program Requirement

Course	Courses	Credit Hours
1. General Education Requirements		43~44
Communication Skills	ENG 214; IAS 101, 201, 301	9
English	ENGL 101, 102	6
Islamic and Arabic studies	IAS 111, 212, 322	6
Mathematics	MATH 101, 102, 131	11
Physical Education	PE 101, 102	2
Science& Engineering Elective	XXX xxx ¹	3~4
GS Electives	GS xxx I & II ²	6
2. Core Requirements		54
Accounting	ACCT 110, 210	6
Business Communications	MGT 210	3
Economics	101, 102, 206	9
Finance	FIN 250	3
Management Information Systems	MIS 215	3
Management	MGT 301, 311, 412, 449	12
Principles of Marketing	MKT 250	3
Operations Management	OM 210, OM 310	6
Statistics	STAT 211, 212	6
College Business Elective	XXX xxx ³	3
3. MIS Major Requirements		30
(a) Required Courses (21)		21
Introduction to Computing	ICS 102	3
Business Systems Analysis & Design	MIS 301 (Lab Component Added)	3
Business Data Management	MIS 311 (Lab Component Added)	3
Fund. Of Computer Communications	COE 353	3
IS Project Management	MIS 405	3
Management Support Systems	MIS 410	3
Information Resource Management	MIS 490	3
(b) Elective Course (3)		3
To be taken from the following approved list	COE 307, 385, 441, 442, 445, 446 ICS 481, 483, 484, 485 MIS 300, 302, 315, 320, 325, 345, 355,365, 375, 411, 415, 499 SE 429, 443, 449, 464 SWE 422, 423, 444	
© MIS Cooperative Work (6)	MIS 351	6
Total Credit Hours		127~128⁴
¹ Science & Engineering Elective (3~4 credit hours) ² GS Electives from the GS Elective List ³ Has to be a 3xx or 4xx level courses taken from the College of Industrial Management except MIS level courses. ⁴ Total credit hours may vary depending upon Science or Engineering elective credit hours of 3 or 4 hours.		

MIS Courses and their Pre-requisites

The following table presents the list of course prerequisites.

Pre-requisite Chart

Course Number	Prerequisite
MIS 215	None
MIS 300	MIS 215
MIS 301	MIS 215
MIS 302	ICS 102
MIS 311	ICS 102
MIS 315	MIS 215
MIS 320	MIS 215
MIS 325	MIS 215
MIS 345	MIS 215
MIS 355	MIS 215
MIS 351	None
MIS 405	MIS 301
MIS 411	MIS 311
MIS 415	MIS 410
MIS 410	MIS 311
MIS 490	MIS 405
MIS 499	MIS 311

Degree Plan

COURSE	TITLE	LEC	LAB	CR	COURSE	TITLE	LEC	LAB	CR
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Freshman Year									
IAS101	Practical Grammar	2	0	2	IAS 111	Beliefs and its Consequences	2	0	2
PE 101	Health and Physical Education I	0	2	1	PE 102	Health and Physical Education II	0	2	1
MATH 101	Calculus I	4	0	4	MATH 102	Calculus II	4	0	4
ECON 101	Principles of Economics I	3	0	3	MATH 131	Finite Mathematics	3	0	3
ACCT 110	Introduction to Financial Accounting	3	0	3	ECON 102	Principles of Econ II	3	0	3
ENGL 101	An Intro. to Academic Discourse	3	0	3	ACCT 210	Introduction to Managerial Accounting	3	0	3
ICS 102	Intro to Computing	2	2	3	ENGL 102	Intro. to Report Writing	3	0	3
		17	4	19			18	2	19

Sophomore Year									
IAS 201	Writing for Professional Needs	2	0	2	IAS 212	Professional Ethics	2	0	2
XXX xxx*	Science or Engineering Elective*	3	0-2	3-4	OM 210	Operations Management	3	0	3
STAT 211	Statistics for Business I	3	0	3	STAT 212	Statistics for Business II	3	0	3
FIN 250	Financial Management	3	0	3	ECON 206	Economy of Saudi Arabia	3	0	3
ENGL 214	Academic & Prof Communication	3	0	3	MKT 250	Principles of Marketing	3	0	3
MIS 215	Intro. to MIS	3	0	3	MGT 210	Business Communication	3	0	3
		17	0-2	17-18			17	0	17

Junior Year									
IAS 301	Oral Communication Skills	2	0	2	IAS 322	Human Rights in Islam	2	0	2
XXX xxx	Business Elective	3	0	3	OM 310	Quantitative Methods for Management	3	0	3
GS xxx I	GS Elective I	3	0	3	MGT 311	Legal Environment	3	0	3
MGT 301	Principles of Management	3	0	3	GS xxx II	GS Elective II	3	0	3
COE 353	Fund. Of Comp. Comm.	3	0	3	MIS 311	Bus. Data Management	2	2	3
MIS 301	Business Systems Analysis. & Design	2	2	3	MIS 405	IS Project Management	3	0	3
		16	2	17			16	2	17

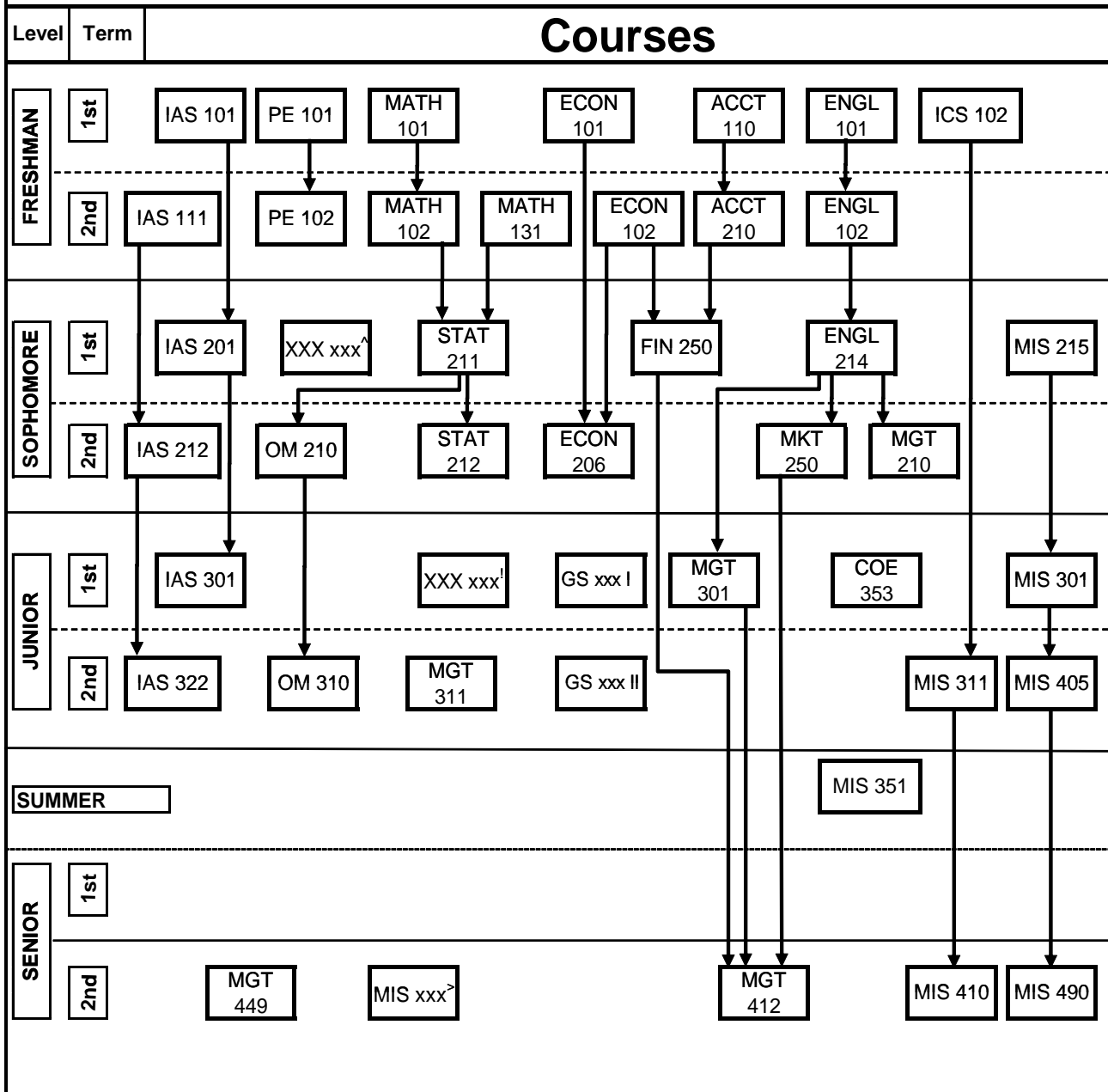
Summer Session									
MIS 350	MIS Coop Work	0	0	0					

Senior Year									
MIS 351	Coop Work (continued)	0	0	6	MGT 449	Strategic Management	3	0	3
					XXX xxx	MIS Approved Elective	3	0	3
					MGT 412	Entrepreneurship & Small Bus. Mgt.	3	0	3
					MIS 410	Mgt. Support Systems	2	2	3
					MIS 490	Information Resources Management	3	0	3
		0	0	6			14	2	15

Total credit hours required in Degree Program: 127~128*

Pre-Requisite Chart

MIS CURRICULUM (Pre-Requisite Chart)

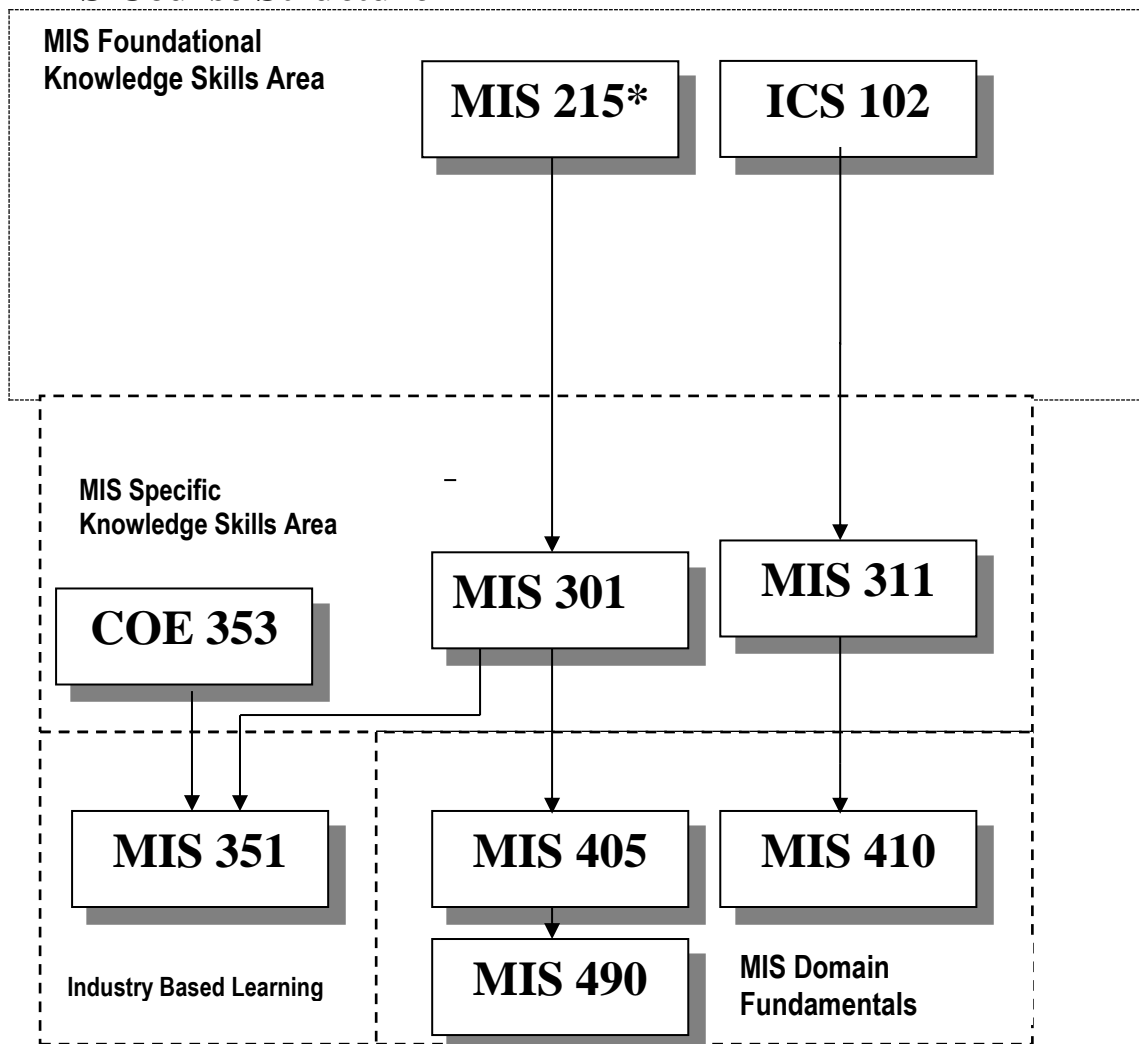


MIS Electives		MIS Approved Electives	
Course	Pre-requisite(s)	Course	Pre-requisite (s)
MIS 300	MIS 215	MIS 355, 365, 375	MIS 215
MIS 302	ICS 102	MIS 411	MIS 311
MIS 315, 320	MIS 215	MIS 415	MIS 410
MIS 325, 345	MIS 215	MIS 499	MIS 311

[^] Any Science or Engineering Elective (3~4 credit hours)
[!] Any 3xx or 4xx Non MIS college level course
[>] Any MIS Approved Elective

Total Credit Hours
127~128

MIS Course Structure



MIS Core Courses

Course Number	Course Title	Knowledge Area
ICS102	Introduction to Computing	MIS Foundational Knowledge Skills Area
MIS 215*	Principles of MIS	MIS Foundational Knowledge Skills Area
MIS 301	Business Systems Analysis & Design	MIS Specific Knowledge Skills Area
MIS 311	Business Data Management	MIS Specific Knowledge Skills Area
COE 353	Fundamentals of Computer Communications	MIS Specific Knowledge Skills Area
MIS 351	MIS Co-operative Work	Industry-Based Learning
MIS 405	IS Project Management	MIS Domain Fundamentals
MIS 410	Management Support Systems	MIS Domain Fundamentals
MIS 490	Information Resources Management	MIS Domain Fundamentals

MIS Elective Courses

MIS 300	Principles of E-Commerce	
MIS 302	Business Applications Development	MIS Foundational Knowledge Skills Area
MIS 315	MIS Innovation & New Technologies	MIS Specific Knowledge Skills Area
MIS 320	Knowledge Management	MIS Specific Knowledge Skills Area
MIS 325	Human Resources Information System	MIS Specific Knowledge Skills Area
MIS 345	Information Technology in Society	Management
MIS 355	Enterprise Systems	MIS Domain Fundamentals
MIS 365	Enterprise Architecture	MIS Domain Fundamentals
MIS 375	Human Computer Factors in Systems Design	MIS Domain Fundamentals
MIS 411	Database Applications Development	MIS Specific Knowledge Skills Area
MIS 415	Computer Supported Collaborative Work	MIS Domain Fundamentals
MIS 499	Topics in MIS	MIS Domain Fundamentals

*Pre-Major Course