

MCS 7215	Data Encryption	3
MCS 7216	Computer Vision and Image Processing	3
MCS 7218	Theoretical Computing	3
1 Elective Course		
MCS 7200	Data Communications Networks	4
MCS 7201	Software Engineering	3
MCS 7203	Database Management Systems	3
MCS 7204	Legal and Ethical Aspects of Computing	3
MCS 7217	Pattern Recognition	3
MCS 7219	Computational Logic	3
MIS 7202	System Test and Evaluation	3
Year II: Semester I (5 Courses)		
4 Core Courses		

MCS 8100	Artificial Intelligence & Expert Systems	3
MCS 8101	Client-Server Computing	3
MCS 8102	Compiler Design Theory	3
MCS 8103	Operating Systems Theory and Design	3
1 Elective Course		
MCS 8104	Optimization Methods	3
MCS 8105	Human-Computer Interaction	3
MCS 8106	Special Topics in Computer Science	3
MIS 8100	Object-Oriented Design and Applications	3
MIS 8106	Interactive Computer Graphics	3
Year II: Semester II: (A Master's Project)		
MCS 8200	Master's Project in Computer Science	-

6. POSTGRADUATE DIPLOMA IN COMPUTER SCIENCE (GDSC) (APPROVED JUNE 2005)

Year I: Semester I: (5 Courses)		CU
4 Core Courses		
MCS 7101	Programming Languages	3
MCS 7115	Requirements Engineering	3
MCS 7116	Graph Theory	3
MCS 7117	Computer Organization and Architecture	3
1 Elective Course		
MCS 7100	Survey of Computer Languages	3
MCS 7102	Combinatorial Optimization	3
MCS 7103	System Administration	3
MCS 7113	Software Project Management	3
MIS 7102	Modeling and Simulation	3
MIS 7104	Quantitative Methods	3
MIS 7109	Object-Oriented Database Systems	3

Year I: Semester II (5 Courses)		
4 Core Courses		
MCS 7202	Design and Analysis of Algorithms	3
MCS 7215	Data Encryption	3
MCS 7216	Computer Vision and Image Processing	3
MCS 7218	Theoretical Computing	3
1 Elective Course		
MCS 7200	Data Communications Networks	4
MCS 7201	Software Engineering	3
MCS 7203	Database Management Systems	3
MCS 7204	Legal and Ethical Aspects of Computing	3
MCS 7217	Pattern Recognition	3
MCS 7219	Computational Logic	3
MIS 7202	System Test and Evaluation	3
Year I: Recess Term: (A PGD Project)		
PGD 6300	PGD in Computer Science Project	-

7. MASTER OF SCIENCE IN INFORMATION SYSTEMS (MSIS)

A. Computer Information Systems (CIS)

PLAN A:

Year I: Semester I (5 Courses)		CU
4 Core Courses		
MIS 7100	Systems Analysis and Design	3

MIS 7102	Modeling and Simulation	3
MIS 7103	Information Systems Project Management	3
MIS 7106	Business Process Modelling and Analysis	3

1 Elective Course		
MSC 7100	Survey of Computer Languages	3
MCS 7103	System Administration	3
MIS 7101	Multimedia and Emerging Technologies	3
MIS 7104	Quantitative Methods	3
MIS 7105	Management for IS Professionals	3
MIS 7107	Web Technologies	3
Year I: Semester II (5 Courses)		
4 Core Courses		
MCS 7200	Data Communications Networks	4
MCS 7201	Software Engineering	3
MIS 7200	Computer Information Systems	3
MIS 7201	Database Systems	3
1 Elective Course		
MIS 7203	Electronic Commerce on the Internet	3
MIS 7202	System Test and Evaluation	3
MIS 7204	Management Information Systems	3
MIS 7205	Telecommunications & Computer Networking	4
MIS 7206	Data Warehousing	3
MIS 7207	Decision Support Systems	3
MIS 7208	Distributed Databases	3
Year II: Semester I & II: (A Master's Dissertation)		
MIS 8111	Master's Dissertation in CIS	—

PLAN B:

Year I: Semester I (5 Courses)		CU
4 Core Courses		
MIS 7100	Systems Analysis and Design	3
MIS 7102	Modeling and Simulation	3
MIS 7103	Information Systems Project Management	3
MIS 7106	Business Process Modelling and Analysis	3
1 Elective Course		
MSC 7100	Survey of Computer Languages	3
MCS 7103	System Administration	3
MIS 7101	Multimedia and Emerging Technologies	3
MIS 7104	Quantitative Methods	3
MIS 7105	Management for IS Professionals	3
MIS 7107	Web Technologies	3
MIS 7109	Object-Oriented Database Systems	3

Year I: Semester II (5 Courses)		
4 Core Courses		
MCS 7200	Data Communications Networks	4
MCS 7201	Software Engineering	3
MIS 7200	Computer Information Systems	3
MIS 7201	Database Systems	3
1 Elective Course		
MIS 7202	System Test and Evaluation	3
MIS 7203	Electronic Commerce on the Internet	3
MIS 7204	Management Information Systems	3
MIS 7205	Telecommunications & Computer Networking	4
MIS 7206	Data Warehousing	3
MIS 7207	Decision Support Systems	3
MIS 7208	Distributed Databases	3
Year II: Semester I (5 Courses)		
4 Core Courses		
MCS 8101	Client-Server Computing	3
MIS 8100	Object-Oriented Design and Applications	3
MIS 8101	Computer Security	3
MIS 8110	Geographical Information Systems and Remote Sensing	3
1 Elective Course		
MCS 8100	Artificial Intelligence & Expert Systems	3
MIS 8103	Special Topics in CIS	3
MIS 8104	Client-Server and Distributed Computing	3
MIS 8106	Interactive Computer Graphics	3
MIS 8107	Industrial Economics	3
MIS 8108	Business Intelligence and Data Mining	3
Year II: Semester II (A Master's Project)		
MIS 8200	Master's Project in CIS	—

B. Management Information Systems (MIS)

PLAN A

Year I: Semester I (5 Courses)		CU
4 Core Courses		
MIS 7100	Systems Analysis and Design	3
MIS 7103	Information Systems Project Management	3
MIS 7105	Management for IS Professionals	3
MIS 7106	Business Process Modeling and Analysis	3

1 Elective Course		
MSC 7100	Survey of Computer Languages	3
MCS 7103	System Administration	3
MIS 7101	Multimedia and Emerging Technologies	3
MIS 7102	Modeling and Simulation	3
MIS 7104	Quantitative Methods	3
MIS 7107	Web Technologies	3
Year I: Semester II (5 Courses)		
4 Core Courses		
MIS 7203	Electronic Commerce on the Internet	3
MIS 7204	Management Information Systems	3
MIS 7206	Data Warehousing	3
MIS 7207	Decision Support Systems	3
1 Elective Course		
MCS 7200	Data Communications Networks	4
MIS 7200	Computer Information Systems	3
MIS 7201	Database Systems	3
MIS 7202	System Test and Evaluation	3
MIS 7205	Telecommunications & Computer Networking	4
Year II: Semester I & II (A Master's Dissertation)		
MIS 8112	Master's Dissertation in MIS	–

PLAN B

Year I: Semester I (5 Courses)		CU
4 Core Courses		
MIS 7100	Systems Analysis and Design	3
MIS 7103	Information Systems Project Management	3
MIS 7105	Management for IS Professionals	3
MIS 7106	Business Process Modeling and Analysis	3
Electives: (1 Elective Course)		
MSC 7100	Survey of Computer Languages	3
MCS 7103	System Administration	3
MIS 7101	Multimedia and Emerging Technologies	3
MIS 7102	Modeling and Simulation	3
MIS 7104	Quantitative Methods	3
MIS 7107	Web Technologies	3
MIS 7109	Object-Oriented Database Systems	3
Year I: Semester II (5 Courses)		
4 Core Courses		

MIS 7203	Electronic Commerce on the Internet	3
MIS 7204	Management Information Systems	3
MIS 7206	Data Warehousing	3
MIS 7207	Decision Support Systems	3
Electives: (1 Elective Course)		
MCS 7200	Data Communications Networks	4
MIS 7200	Computer Information Systems	3
MIS 7201	Database Systems	3
MIS 7202	System Test and Evaluation	3
MIS 7205	Telecommunications & Computer Networking	4
Year II: Semester I (5 Courses)		
4 Core Courses		
MIS 8100	Object-Oriented Design and Applications	3
MIS 8101	Computer Security	3
MIS 8104	Client-Server and Distributed Computing	3
MIS 8108	Business Intelligence and Data Mining	3
Electives: (1 Elective Course)		
MCS 8100	Artificial Intelligence & Expert Systems	3
MCS 8101	Client-Server Computing	3
MIS 8106	Interactive Computer Graphics	3
MIS 8107	Industrial Economics	3
MIS 8109	Special Topics in MIS	3
MIS 8110	Geographical Information Systems and Remote Sensing	3
Year II: Semester II (A Master's Project)		
MIS 8202	Master's Project in MIS	–

C. Information Systems Management (ISM)

PLAN A

Year I: Semester I (5 Courses)		CU
4 Core Courses		
MCS 7113	Software Project Management	3
MIS 7105	Management for IS Professionals	3
MIS 7106	Business Process Modelling and Analysis	3
MIS 7107	Web Technologies	3
Electives: (1 Elective Course)		
MSC 7100	Survey of Computer Languages	3
MCS 7103	System Administration	3
MIS 7100	Systems Analysis and Design	3

MIS 7101	Multimedia and Emerging Technologies	3
MIS 7102	Modeling and Simulation	3
MIS 7103	Information Systems Project Management	3
MIS 7104	Quantitative Methods	3
MIS 7109	Object-Oriented Database Systems	3
Year I: Semester II (5 Courses)		
4 Core Courses		
MIS 7200	Computer Information Systems	3
MIS 7207	Decision Support Systems	3
MIT 7204	Strategic Information Systems Management	3
MIS 7203	Electronic Commerce on the Internet	3
Electives: (1 Elective Course)		
MIS 7201	Database Systems	3
MIS 7202	System Test and Evaluation	3
MIS 7204	Management Information Systems	3
MIS 7205	Telecommunications & Computer Networking	4
MIS 7206	Data Warehousing	3
MIS 7207	Decision Support Systems	3
Year II: Semester I & II (A Master's Dissertation)		
MIS 8113	Master's Dissertation in ISM	-

PLAN B

Year I: Semester I (5 Courses)		CU
4 Core Courses		
MCS 7113	Software Project Management	3
MIS 7105	Management for IS Professionals	3
MIS 7106	Business Process Modelling and Analysis	3
MIS 7107	Web Technologies	3
Electives: (1 Elective Course)		
MSC 7100	Survey of Computer Languages	3
MCS 7103	System Administration	3
MIS 7100	Systems Analysis and Design	3
MIS 7101	Multimedia and Emerging Technologies	3
MIS 7102	Modeling and Simulation	3
MIS 7103	Information Systems Project Management	3
MIS 7104	Quantitative Methods	3
Year I: Semester II (5 Courses)		
4 Core Courses		

MIS 7200	Computer Information Systems	3
MIS 7207	Decision Support Systems	3
MIT 7204	Strategic Information Systems Management	3
MIS 7203	Electronic Commerce on the Internet	3
Electives: (1 Elective Course)		
MIS 7201	Database Systems	3
MIS 7202	System Test and Evaluation	3
MIS 7204	Management Information Systems	3
MIS 7205	Telecommunications & Computer Networking	4
MIS 7206	Data Warehousing	3
MIS 7207	Decision Support Systems	3
Year II: Semester I (5 Courses)		
4 Core Courses		
MCS 8101	Client-Server Computing	3
MIS 8100	Object-Oriented Design and Applications	3
MIS 8101	Computer Security	3
MIS 8108	Business Intelligence and Data Mining	3
Electives: (1 Elective Course)		
MCS 8100	Artificial Intelligence & Expert Systems	3
MIS 8104	Client-Server and Distributed Computing	3
MIS 8106	Interactive Computer Graphics	3
MIS 8107	Industrial Economics	3
MIS 8110	Geographical Information Systems and Remote Sensing	3
Year II: Semester II (A Master's Project)		
MIS 8203	Master's Project in ISM	-

D. Internet and Database Systems (IDS)

PLAN A

Year I: Semester I (5 Courses)		CU
4 Core Courses		
MCS 7113	Software Project Management	3
MIS 7107	Web Technologies	3
MIS 7108	Mobile Multimedia Computing and Information Superhighway	3
MIS 7109	Object-Oriented Database System	3
Electives: (1 Elective Course)		
MSC 7100	Survey of Computer Languages	3

MCS 7103	System Administration	3
MIS 7100	Systems Analysis and Design	3
MIS 7101	Multimedia and Emerging Technologies	3
MIS 7102	Modeling and Simulation	3
MIS 7103	Information Systems Project Management	3
MIS 7104	Quantitative Methods	3
MIS 7106	Business Process Modelling and Analysis	3
Year I: Semester II (5 Courses)		
4 Core Courses		
MCS 7214	Software Design Process and Metrics	3
MIS 7206	Data Warehousing	3
MIT 7200	Security Assurance Principles	3
MIS 7208	Distributed Databases	3
Electives: (1 Elective Course)		
MCS 7201	Software Engineering	3
MIS 7200	Computer Information Systems	3
MIS 7201	Database Systems	3
MIS 7202	System Test and Evaluation	3
MIS 7203	Electronic Commerce on the Internet	3
MIS 7204	Management Information Systems	3
MIS 7205	Telecommunications & Computer Networking	4
Year II: Semester I & II (A Master's Dissertation)		
MIS 8114	Master's Dissertation in IDS	-

PLAN B

Year I: Semester I (5 Courses)		CU
Cores: 4 Core Courses		
MCS 7113	Software Project Management	3
MIS 7107	Web Technologies	3
MIS 7108	Mobile Multimedia Computing and information Superhighway	3
MIS 7109	Object-Oriented Database Systems	3
Electives: (1 Elective Course)		
MSC 7100	Survey of Computer Languages	3
MCS 7103	System Administration	3
MIS 7100	Systems Analysis and Design	3

MIS 7101	Multimedia and Emerging Technologies	3
MIS 7102	Modeling and Simulation	3
MIS 7103	Information Systems Project Management	3
MIS 7104	Quantitative Methods	3
MIS 7106	Business Process Modelling and Analysis	3
Year I: Semester II (5 Courses)		
Cores: 4 Core Courses		
MCS 7214	Software Design Process and Metrics	3
MIS 7208	Distributed Databases	3
MIT 7200	Security Assurance Principles	3
MIS 7206	Data Warehousing	3
Electives: (1 Elective Course)		
MCS 7201	Software Engineering	3
MIS 7200	Computer Information Systems	3
MIS 7201	Database Systems	3
MIS 7202	System Test and Evaluation	3
MIS 7203	Electronic Commerce on the Internet	3
MIS 7204	Management Information Systems	3
MIS 7205	Telecommunications & Computer Networking	4
Year II: Semester I: (5 Courses)		
Cores: 4 Core Courses		
MCS 8101	Client-Server Computing	3
MIS 8100	Object-Oriented Design and Applications	3
MIS 8101	Computer Security	3
MIT 8102	Database Security	3
Electives: (1 Elective Course)		
MCS 8100	Artificial Intelligence & Expert Systems	3
MIS 8106	Interactive Computer Graphics	3
MIS 8107	Industrial Economics	3
MIS 8108	Business Intelligence and Data Mining	3
MIS 8110	Geographical Information Systems and Remote Sensing	3
Year II: Semester II (A Master's Project)		
MIS 8204	Master's Project in Internet and Databases	-