

MCS 7100	Survey of Computer Languages	3
MCS 7101	Programming Languages	3
MIT 7109	Internet Programming	3
Year I: Semester II (4 Core Courses)		
MCS 7212	Software Quality Assurance and Testing	3
MCS 7213	Systems Engineering	3
MCS 7214	Software Design Process and Metrics	3
MCS 7202	Design and Analysis of Algorithms	3

Year I: Semester II (1 Elective Course)		
MCS 7200	Data Communications Networks	4
MCS 7201	Software Engineering	3
MCS 7206	Network & Distributed Systems Programming	3
MIS 7202	System Test and Evaluation	3
MIT 7209	Enterprise-Wide Computing	3
MIT 7210	Interaction Design	3
MIT 7204	Strategic Information Systems Management	3
MCS 7203	Database Management Systems	3
Year I: Recess Term		
DCS 6309	PGD Project in Software Engineering	

5. MASTER OF SCIENCE IN COMPUTER SCIENCE (MCSC) (APPROVED JUNE 2005)

PLAN A:

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 II: Semester I & II:		
MCS 8113	Master's Dissertation in Computer Science	-

PLAN B:

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
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 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 (GDPS) (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