

Year II Semester I & II		
Independent Research and Dissertation Compilation		
Year III Semester I & II		
Independent Research, Dissertation Compilation and Defense		

10.4 PhD (Software Engineering)

Year I Semester I: 4 Courses		CU
3 Core courses		
MCS 9100	Philosophy of Computing and Information Technology	3
MCS 9101	Research and Project Proposal	3
MCS 9102	Advanced Research Methods in Computing and IT	3
1 elective course		
MCS 9103	Managerial Problems in Information Technology	3
MCS 9104	Research Project management	3
MCS 9105	Gender and ICT	3

Year I Semester II: 4 Courses		
3 Core Courses		
MCS 9200	Philosophy of Science and Computing Research	3
MCS 9201	Presentations, Scientific Writing and Research Ethics	3
MCS 9205	Trends in Software Engineering	3
1 Elective Course		
MCS 9202	Trends in Computer Science	3
MCS 9203	Trends in Information Systems	3
MCS 9204	Trends in Information Technology	3
Year II Semester I & II		
Independent Research and Dissertation Compilation		
Year III Semester I & II		
Independent Research, Dissertation Compilation and Defense		

11. MASTER OF SCIENCE IN COMPUTER SCIENCE (CURRENTLY RUNNING)

PLAN A:

Year I: Semester I		CU
Cores: (4 Core Courses)		
MCS 7100	Survey of Computer Languages	3
MIS 7100	Systems Analysis and Design	3
MIS 7102	Modeling and Simulation	3
MIS 7103	Information Systems Project Management	3
Electives: (1 Elective Course)		
MCS 7101	Programming Languages	3
MCS 7102	Combinatorial Optimization	3
MCS 7103	System Administration	3
MIS 7101	Multimedia and Emerging Technologies	3
MIS 7104	Quantitative Methods	3
Year I: Semester II (5 Courses)		
MCS 7200	Data Communications Networks	4
MCS 7201	Software Engineering	3
MCS 7202	Design and Analysis of Algorithms	3
MCS 7203	Database Management Systems	3

MCS 7204	Legal and Ethical Aspects of Computing	3
MIS 7200	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
MIS 7206	Data Warehousing	3
YEAR II: (A Master's Dissertation)		

PLAN B:

Year I: Semester I		CU
Cores: 4 Core Courses		
MCS 7100	Survey of Computer Languages	3
MIS 7100	Systems Analysis and Design	3
MIS 7102	Modeling and Simulation	3
MIS 7103	Information Systems Project Management	3
Electives: (1 Elective Course)		
MCS 7101	Programming Languages	3
MCS 7102	Combinatorial Optimization	3

MCS 7103	System Administration	3
MIS 7101	Multimedia and Emerging Technologies	3
MIS 7104	Quantitative Methods	3
Year I: Semester II (5 Courses)		
MCS 7200	Data Communications Networks	4
MCS 7201	Software Engineering	3
MCS 7202	Design and Analysis of Algorithms	3
MCS 7203	Database Management Systems	3
MCS 7204	Legal and Ethical Aspects of Computing	3
MIS 7200	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 722	Telecommunications & Computer Networking	4
MIS 7206	Data Warehousing	3
Year II : Semester I: (5 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
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 8101	Computer Security	3
MIS 8102	Object-Oriented Database Systems	3
MIS 8103	Special Topics in CIS	4
MIS 8104	Client-Server and Distributed Computing	3
MIS 8105	Decision Support Systems	3
MIS 8106	Interactive Computer Graphics	3
MIS 8107	Industrial Economics	3
MIS 8108	Business Intelligence and Data Mining	3
MIS 8109	Special Topics in MIS	3

Year II: Semester 2: (A Master's Project)		
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A. Computer Science

PLAN A:		
Year I: Semester II:		CU
MCS 7200	Data Communications Networks	4
MCS 7201	Software Engineering	3
MCS 7202	Design and Analysis of Algorithms	3
MCS 7203	Database Management Systems	3
Year II:		
MCS 8113	Master's Dissertation in Computer Science	–
PLAN B:		
Year I: Semester II:		
MCS 7200	Data Communications Networks	4
MCS 7201	Software Engineering	3
MCS 7202	Design and Analysis of Algorithms	3
MCS 7203	Database Management Systems	3
Year II: Semester I:		
MCS 8100	Artificial Intelligence & Expert Systems	3
MCS 8101	Client-Server Computing	3
MCS 8103	Operating Systems Theory and Design	3
MCS 8102	Compiler Design Theory	3
Year II: Semester II:		
MCS 8200	Master's Project in Computer Science	–

B. Computer Information Systems

PLAN A:		
Year I: Semester II:		CU
MCS 7200	Data Communications Networks	4
MCS 7201	Software Engineering	3
MIS 7200	Information Systems	3
MIS 7201	Database Systems	3
Year II:		
MIS 8111	Master's Dissertation in CIS	–
PLAN B:		
Year I: Semester II:		
MCS 7200	Data Communications Networks	4
MCS 7201	Software Engineering	3
MIS 7200	Information Systems	3
MIS 7201	Database Systems	3

Year II: Semester I:		3
MCS 8100	Artificial Intelligence and Expert Systems	3
MCS 8101	Client-Server Computing	3
MIS 8100	Object-Oriented Design and Applications	3
MIS 8101	Computer Security	3
Year II: Semester II:		
MIS 8200	Master's Project in CIS	–

C. Management Information Systems

PLAN A:		
Year I: Semester II		CU
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

Year II:		
MIS 8112	Master's Dissertation in MIS	–
PLAN B:		
Year I: Semester II:		
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
Year II: Semester I:		3
MIS 8100	Object-Oriented Design and Applications	3
MIS 8101	Computer Security	3
MIS 8104	Client-Server and Distributed Computing	3
MIS 8105	Decision Support Systems	3
Year II: Semester II:		
MIS 8202	Master's Project in MIS	–

12. POSTGRADUATE DIPLOMA IN COMPUTER SCIENCE (CURRENTLY RUNNING)

Year I: Semester I:		CU
3 Core Courses		
MCS 7100	Survey of Computer Languages	3
MIS 7100	Systems Analysis and Design	3
MIS 7103	Information Systems Project Management	3
2 Elective Courses		3
MIS 8104	Client-Server and Distributed Computing	3
MCS 7103	System Administration	3
MIS 7104	Quantitative Methods	3
MIS 7102	Modeling and Simulation	3
Year I: Semester II: (3 Courses & Project)		
MCS 7201	Software Engineering	3
MCS 7200	Data Communications Networks	4
MCS 7203	Database Management Systems	3
MIS 7200	Information Systems	3
MIS 7201	Database Systems	3
MIS 7203	Electronic Commerce on the Internet	3
MIS 7204	Management Information Systems	3

MIS 7205	Telecommunications & Computer Networking	4
PGD 6300	PGD Project in Computer Science	–
PGD 6301	PGD Project in CIS	–
PGD 6302	PGD Project in MIS	–

A. Computer Science

Year I: Semester II:		CU
2 Courses and PGD 6300		
MCS 7201	Software Engineering	3
MCS 7203	Database Management Systems	3
PGD 6300	PGD Project in Computer Science	–
1 Elective		
MCS 7200	Data Communications Networks	
MIS 7200	Information Systems	3
MIS 7203	Electronic Commerce on the Internet	3
MIS 7206	Management Information Systems	3
B Computer Information Systems		
Year I: Semester II:		CU
2 Core Courses and PGD 6301		