

Scheme of Study for MSCS with Thesis

Computing Core (13/33) 4 Courses + Research Methodology

Course Title	Credit hours
Advanced Analysis of Algorithms	3
Advanced Operating Systems	3
Theory of Programming Languages	3
Theory of Automata – II	3
Advanced Computer Architecture	3
*Research Methodology	1
Total	13

Domain Elective (12/33) 4 Courses

Course Title	Credit Hours
CS Elective – 1	3
CS Elective – 2	3
CS Elective – 3	3
CS Elective – 4	3
Total	12

Thesis (6/33)

Course Title	Credit Hours
Thesis-I	3
Thesis-II	3
Total	6

Fahm-e-Quran/Ethics and Culture Courses

Course Title	Credit Hours
Fahm-e-Quran-I (Only for Muslims)	1 (0-1)
Fahm-e-Quran-II (Only for Muslims)	1 (0-1)
Ethics and Culture-I (Only for non-Muslims)	1 (0-1)
Ethics and Culture-II (Only for non-Muslims)	1 (0-1)
Total	2

Scheme of Study for MSCS with Coursework

Computing Core (12/32) 4 Courses

Course Title	Credit hours
Advanced Analysis of Algorithms	3
Advanced Operating Systems	3
Theory of Programming Languages	3
Theory of Automata – II	3
Advanced Computer Architecture	3
Total	12

Domain Elective (12/32) 4 Courses

Course Title	Credit Hours
CS Elective – 1	3
CS Elective – 2	3
CS Elective – 3	3
CS Elective – 4	3
Total	12

Coursework (6/32) 2 Courses

Course Title	Credit Hours
CS Elective – 5	3
CS Elective – 6	3
Total	6

Tentative Revised Scheme of Study for MS in CS Effects from Fall 2025

Semester - 1					
Code	Course Title	Category	Pre-req	Credit Hrs	PLOs
CS-701	Core-I	Core	-	3	1, 2, 4
CS-702	Core-2	Core	-	3	1, 2, 4
CS-7xx	Elective-1	Elective	-	3	-
ISL-701	Fahm-e-Quran I (Only for Muslims)	Compulsory	-	1	-
HUM-701	Ethics and Culture I (Only for non-Muslims)	Compulsory	-	1	-
Total				10	