

0306

Master of Science in Computer Sciences

Specialization: Computer Networks/Database Systems/Multimedia/Information Management/Net-Centric Computing

Shift : Evening / Weekend

Duration : 2 years, 4 semesters, 33 credit hours

Eligibility : MCS / BCS (4 years) / M.Sc. / B.E. or equivalent qualification with at least 50% marks or CGPA 2.50 / 4.00 from any HEC recognized University and qualify University test.

1st Semester

Course	Course Title	Credit Hours
CSC-606	Advanced Analysis of Algorithm	3
CSC-625	Research Methods in Computing	3
CSC-6xx	Elective-I	3
CSC-6xx	Elective-II	3

2nd Semester

Course	Course Title	Credit Hours
CSC-610	Theory of Computation	3
CSC-6xx	Elective-III	3
CSC-6xx	Elective-IV	3
CSC-6xx	Elective-V	3

3rd Semester

Course	Course Title	Credit Hours
CSC-6xx	Elective-VI	3
CSC-699	Research Thesis	3

4th Semester

Course	Course Title	Credit Hours
CSC-699	Research Thesis	3

Elective

A.

CSC-603	Networks Security & Cryptography
CSC-608	Advanced Computer Networks
CSC-609	Advanced Wireless Networks
CSC-614	Network Programming

B.

CSC-601	Advanced Topics in Database Management System
CSC-605	Data Warehousing
CSC-612	Distributed Database Systems
CSC-613	Data Mining

C.

CSC-619	Human Computer Interface
CSC-620	Multimedia and Hypermedia
CSC-621	Virtual Reality
CSC-622	Advanced Computer Graphics

D.

CSC-601	Advanced Topics in Database Management System
CSC-605	Data Warehousing
CSC-613	Data Mining
CSC-xxx	Multimedia Information Systems

E.

CSC-603	Network Security
CSC-608	Advanced Computer Networks
CSC-xxx	Utility Computing
CSC-xxx	Data Grids

Courses For Specialization:

Computer Networks

CSC-603	Networks Security & Cryptography
CSC-608	Advanced Computer Networks
CSC-609	Advanced Wireless Networks
CSC-614	Network Programming

Database Systems

CSC-601	Advanced Topics in Database Management System
CSC-605	Data Warehousing
CSC-612	Distributed Database Systems
CSC-613	Data Mining

Multimedia

CSC-619	Human Computer Interface
CSC-620	Multimedia and Hypermedia
CSC-621	Virtual Reality
CSC-622	Advanced Computer Graphics

Information Management

CSC-601	Advanced Topics in Database Management System
CSC-605	Data Warehousing
CSC-613	Data Mining
CSC-xxx	Multimedia Information Systems

Net-Centric Computing

CSC-603	Network Security
CSC-608	Advanced Computer Networks
CSC-xxx	Utility Computing
CSC-xxx	Data Grids