

# 0304 Master of Science in Software Engineering

Shift : Evening / Weekend  
Duration : 2 years, 4 semesters, 30 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-607	Software System Design & Architecture	3
CSC-618	Topics in Soft. Requirement Engineering	3
CSC-6xx	Elective-I	3
CSC-6xx	Elective-II	3

## 2nd Semester

Course	Course Title	Credit Hours
CSC-626	Software Quality Assurance	3
CSC-6xx	Elective-III	3
CSC-6xx	Elective-IV	3

## 3rd Semester

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

## 4th Semester

Course	Course Title	Credit Hours
CSC-699	Research Thesis	3

**Note:** Two courses, of 3 credit hours each, may be taken from MS-CS courses.

### Elective Courses For Specialization:

CSC-602	Advanced Computer Architecture	CSC-625	Research Methods in Computing
CSC-613	Data Mining	CSC-629	Machine Learning
CSC-617	Formal Methods	CSC-6xx	Complex Networks
CSC-623	Advanced Operating System	CSC-6xx	Software Configuration Management