

# Department of Computer Science

## 0304 Master of Science in Software Engineering

Shift : Weekend  
 Duration : 2 years, 4 semesters, 30 credit hours  
 Eligibility : BS-SE / BSE (4 Years) 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-613 Data mining  
 CSC-616 Advance software project management  
 CSC-617 Formal methods  
 CSC-625 Research methods in Computing

CSC-629 Machine learning  
 CSC-631 Digital Image Processing  
 CSC-632 Topics in software engineering  
 CSC-XXX Software testing

