



## College of Information Technology

### MSc in Software Engineering

Course No.	Course Title	CH
SE601	REQUIREMENTS ENGINEERING AND SPECIFICATIONS	3
SE602	SOFTWARE ARCHITECTURE AND DESIGN	3
SE603	RESEARCH METHODOLOGY, PROFESSIONAL AND ETHICAL ISSUES	3
SE604	SOFTWARE VERIFICATION, VALIDATION AND TESTING	3
SE605	SOFTWARE ENGINEERING MANAGEMENT	3
SE699	M.SC. THESIS	6
<b>ELECTIVE COURSES (12 CH)</b>		
SE606	SYSTEMS ENGINEERING	3
SE607	CONFIGURATION MANAGEMENT	3
SE608	INFORMATION SECURITY	3
SE609	SOFTWARE ENGINEERING FOR MOBILE COMPUTING	3
SE610	SOFTWARE QUALITY ASSURANCE	3
SE611	SOFTWARE ENGINEERING METRICS	3
SE612	FORMAL METHODS IN SOFTWARE DEVELOPMENT	3
SE613	ENGINEERING ECONOMICS	3
SE614	HUMAN COMPUTER INTERACTION	3
SE615	OBJECT-ORIENTED SOFTWARE DEVELOPMENT	3
SE616	PARALLELISM AND CONCURRENCY IN SOFTWARE DEVELOPMENT	3
SE617	FREE AND OPEN SOURCE SOFTWARE DEVELOPMENT	3
SE618	SOFTWARE ENGINEERING FOR WEB	3
SE619	DATA MINING AND DECISION SUPPORT SYSTEMS	3
SE620	CURRENT TOPICS IN SOFTWARE ENGINEERING	3
SE621	SPECIAL TOPICS I	3
SE622	SPECIAL TOPICS II	3
SE623	INTELLIGENT SYSTEMS	3
SE624	DISTRIBUTED SYSTEMS	3

SE625	CLOUD COMPUTING	3
SE626	INFORMATION RETRIEVAL	3
SE627	ADVANCED ALGORITHMS ANALYSIS AND DESIGN	3
SE628	EMBEDDED SYSTEMS	3
<b>Total Credits</b>		<b>33</b>