

Master of Science in Software Engineering - Advanced Thesis Track	
CORE COURSES: 9 Credits	Credits
SE-571: Software Design & Systems Architecture	1.5
SE-572: Enterprise and Global Architecture	1.5
SE-580: The Process of Engineering Software	3.0
SE-610: Software Systems Security	3.0
REQUIREMENTS:	Credits
<p>Take TWO SETS of Guided Electives from the Following Courses:</p> <p>SE-601: Outsourcing: Specifications and Strategies and SE-602: Technology Assessment</p> <p>SE-620: Networked Software Systems I and SE-621: Networked Software Systems II</p> <p>SE-625: Information Systems Architecture and SE-626: Information Systems Engineering</p> <p>SE-630: Real-Time Software Analysis and Specification and SE-631: Real-Time Software Design and Implementation</p> <p>SE-650: Software Project Management and SE-651: Software Organization Management</p> <p>ELECTIVES: Take 3 credits from the Following Courses:</p> <p>SE-601: Outsourcing: Specifications and Strategies SE-602: Technology Assessment SE-603: MOST Implementation SE-605: Software Implementation and Reuse SE-611: Secure Web Services Design SE-615: Usability Engineering/Human-Computer Interaction SE-616: Extensible Markup Language (XML) SE-620: Networked Software Systems I SE-625: Information Systems Architecture SE-626: Information Systems Engineering SE-630: Real-Time Software Analysis and Specification SE-631: Real-Time Software Design and Implementation SE-650: Software Project Management SE-651: Software Organization Management SE-652: Software Quality Management SE-660: Computer System Architecture SE-698: Special Topics in Software Engineering SE-699: Individual Research Project in Software Eng. CS-514: Networks CS-517: Database Design and Management CS-533: Database System Implementation BM-565: Management of Technology</p> <p>Thesis (Two Semesters):</p> <p>SE-691: Software Engineering Thesis Research SE-692: Software Engineering Thesis Research</p>	<p>12.0</p> <p>3.0</p> <p>3.0</p>
Minimum Credits for Master of Science in Software Engineering - Advanced Thesis Track = 30.0	

NOTE:

* This track is open only to students with an undergraduate degree in Software Engineering.