

Master of Science in Software Engineering - Thesis Track	
REQUIREMENTS: Core Courses	Credits
SE561: Mathematical Foundations of Software Engineering	3.0
SE565: Software Systems Requirements	3.0
SE570: Software System Design	3.0
SE575: Software Verification, Validation & Maintenance	3.0
SE580: The Process of Engineering Software	3.0
REQUIREMENTS: Guided Electives	Credits
Choose ONE SET of guided electives from among: SE601: Outsourcing: Specifications and Strategies and SE602: Technology Assessment	
SE620: Network Software Systems I and SE621: Network Software Systems II	
SE625: Information Systems Architecture and SE626: Information Systems Engineering	
SE630: Real-Time Software Analysis and Specification and SE631: Real-Time Software Design and Implementation	
SE637: Wireless Communications and SE638: Communications Systems	
SE650: Software Project Management and SE651: Software Organization Management	3.0
REQUIREMENTS: Electives (a)	Credits
Choose 3 credits from among: SE601, SE602, SE603, SE605, SE610, SE611, SE615, SE620, SE625, SE626, SE630, SE631, SE637, SE638, SE650, SE651, SE652, SE660, SE698, SE699, CS514, CS517, CS533, BM565	3.0
REQUIREMENTS: Two Semester Thesis	Credits
SE691A: Thesis Research	3.0
SE692B: Thesis Research	3.0
<i>a) May substitute with an additional set of electives; consult with advisor.</i>	
TOTAL CREDITS FOR MASTER OF SCIENCE IN SOFTWARE ENGINEERING - THESIS TRACK = 39.0	
*Up to 9 credits may be waived if equivalent courses have been completed as part of the students B.S. in Software Engineering Program	

NOTE:

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