Master of Science in Software Engineering - Thesis Track	
CORE COURSES: 15 Credits	**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
ELECTIVES: 12 Credits	**Credits**
Choose Two pairs of guided electives from among	12.0
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	
ELECTIVES: 6 Credits	**Credits**
Choose Two guided electives (6 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	6.0
THESIS: 6 Credits	**Credits**
Two Semester Thesis: SE690A: Thesis Research	3.0
and SE690B: Thesis Research	3.0

TOTAL CREDITS FOR MASTER OF SCIENCE IN SOFTWARE ENGINEERING - THESIS TRACK = 39.0

NOTE:

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

** **Up to 9 credits of core courses can be waived if equivalent courses have been completed as part of the students Bachelor of Science in Software Engineering Program.**

ORR 05/09

MONMOUTH UNIVERSITY CURRICULUM CHART