M O N M O U T H   U N I V E R S I T Y

Curriculum Chart 2008-2009   **Office of Registration and Records**   **MS.SE.TH.08**
West Long Branch, NJ 07764 - 1898

Master of Science in Software Engineering - Thesis Track

CORE COURSES: 15 Credits | 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: **6.0**
SE601, SE602, SE603, SE605, SE610, SE611, SE615, SE620,
SE625, SE626, SE630, SE631, SE637, SE638, SE650, SE651,
SE652, SE660, SE698, SE699, CS514, CS517,
CS533, BM565

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.**

MONMOUTH UNIVERSITY CURRICULUM CHART

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