Master of Science in Software Engineering - Advanced Thesis Track

REQUIREMENTS: Core Courses	Credits
SE-565: Software Systems Requirements	3.0
SE-570: Software System Design	3.0
SE-580: The Process of Engineering Software	3.0

REQUIREMENTS:	Credits
Choose TWO SETS of guided electives from the following:	12.0
SE-601: Outsourcing: Specifications and Strategies	
and SE-602: Technology Assessment	
SE-610: Software Systems Security	
and SE-611: Secure Web Services Design	
SE-620: Networked Software Systems I	
and SE-621: Networked Software Systems II	
SE-625: Information Systems Architecture	
and SE-626: Information Systems Engineering	
SE-630: Real-Time Software Analysis and Specification	
and SE-631: Real-Time Software Design and Implementation	
SE-650: Software Project Management	
and SE-651: Software Organization Management	

REQUIREMENTS: Electives	Credits
Choose 3 credits from the Following:	3.0
SE-601: Outsourcing: Specifications and Strategies	
SE-602: Technology Assessment	
SE-603: MOST Implementation	
SE-605: Software Implementation and Reuse	
SE-610: Software Systems Security	
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	

REQUIREMENTS: Two Semester Thesis	Credits
SE-691: Software Engineering Thesis Research	3.0
SE-692: Software Engineering Thesis Research	3.0

TOTAL CREDITS FOR MASTER OF SCIENCE IN SOFTWARE ENGINEERING - ADVANCED THESIS TRACK = 30.0

MONMOUTH UNIVERSITY CURRICULUM CHART

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