QUIREMENTS: Core Courses			Credits
			3.00/10
	SE-565:	Software Systems Requirements	3.
		Software System Design	3.
		The Process of Engineering Software	3.
UIREMENTS:			Credits
Choo	se TWO	SETS of guided electives from the following:	12.
	SE-601:	Outsourcing: Specifications and Strategies	
and	SE-602:	Technology Assessment	
	SE-610:	Software Systems Security	
and		Secure Web Services Design	
	SE-620:	Networked Software Systems I	
and	SE-621:	Networked Software Systems II	
	SE-625:	Information Systems Architecture	
and		Information Systems Engineering	
	SE-630·	Real-Time Software Analysis and Specification	
and		Real-Time Software Design and Implementation	
<del></del>	02 00	The Communication of the Commu	
	SE-650:	Software Project Management	
and	SE-651:	Software Organization Management	
QUIREMENTS: Electives			Credits
ROINEMENTO. Electives			- Crounts
Choo	se 3 cred	dits from the Following:	3.
	CE CO1.		
		Outsourcing: Specifications and Strategies	
	SE-602:	Technology Assessment	
	SE-602: SE-603:	Technology Assessment MOST Implementation	
	SE-602: SE-603: SE-605:	Technology Assessment MOST Implementation Software Implementation and Reuse	
	SE-602: SE-603: SE-605: SE-610:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security	
	SE-602: SE-603: SE-605: SE-610: SE-611:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security Secure Web Services Design	
	SE-602: SE-603: SE-605: SE-610: SE-611: SE-615:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security Secure Web Services Design Usability Engineering/Human-Computer Interaction	
	SE-602: SE-603: SE-605: SE-610: SE-611: SE-615: SE-616:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security Secure Web Services Design Usability Engineering/Human-Computer Interaction Extensible Markup Language (XML)	
	SE-602: SE-603: SE-605: SE-610: SE-611: SE-615: SE-616: SE-620:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security Secure Web Services Design Usability Engineering/Human-Computer Interaction Extensible Markup Language (XML) Networked Software Systems I	
	SE-602: SE-603: SE-605: SE-610: SE-611: SE-615: SE-616: SE-620: SE-625:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security Secure Web Services Design Usability Engineering/Human-Computer Interaction Extensible Markup Language (XML) Networked Software Systems I Information Systems Architecture	
	SE-602: SE-603: SE-605: SE-610: SE-611: SE-615: SE-616: SE-620: SE-625: SE-626:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security Secure Web Services Design Usability Engineering/Human-Computer Interaction Extensible Markup Language (XML) Networked Software Systems I Information Systems Architecture Information Systems Engineering	
	SE-602: SE-603: SE-605: SE-610: SE-615: SE-616: SE-620: SE-625: SE-626: SE-626:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security Secure Web Services Design Usability Engineering/Human-Computer Interaction Extensible Markup Language (XML) Networked Software Systems I Information Systems Architecture Information Systems Engineering Real-Time Software Analysis and Specification	
	SE-602: SE-605: SE-610: SE-611: SE-615: SE-616: SE-620: SE-625: SE-626: SE-630: SE-631:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security Secure Web Services Design Usability Engineering/Human-Computer Interaction Extensible Markup Language (XML) Networked Software Systems I Information Systems Architecture Information Systems Engineering Real-Time Software Analysis and Specification Real-Time Software Design and Implementation	
	SE-602: SE-605: SE-610: SE-611: SE-615: SE-616: SE-620: SE-625: SE-626: SE-630: SE-631:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security Secure Web Services Design Usability Engineering/Human-Computer Interaction Extensible Markup Language (XML) Networked Software Systems I Information Systems Architecture Information Systems Engineering Real-Time Software Analysis and Specification	
	SE-602: SE-605: SE-610: SE-611: SE-615: SE-620: SE-625: SE-626: SE-630: SE-631: SE-650:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security Secure Web Services Design Usability Engineering/Human-Computer Interaction Extensible Markup Language (XML) Networked Software Systems I Information Systems Architecture Information Systems Engineering Real-Time Software Analysis and Specification Real-Time Software Design and Implementation	
	SE-602: SE-605: SE-610: SE-611: SE-615: SE-620: SE-625: SE-626: SE-630: SE-631: SE-650: SE-651:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security Secure Web Services Design Usability Engineering/Human-Computer Interaction Extensible Markup Language (XML) Networked Software Systems I Information Systems Architecture Information Systems Engineering Real-Time Software Analysis and Specification Real-Time Software Design and Implementation Software Project Management	
	SE-602: SE-605: SE-610: SE-611: SE-615: SE-620: SE-626: SE-626: SE-630: SE-631: SE-650: SE-651: SE-651:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security Secure Web Services Design Usability Engineering/Human-Computer Interaction Extensible Markup Language (XML) Networked Software Systems I Information Systems Architecture Information Systems Engineering Real-Time Software Analysis and Specification Real-Time Software Design and Implementation Software Project Management Software Organization Management	
	SE-602: SE-605: SE-610: SE-611: SE-6116: SE-620: SE-626: SE-626: SE-630: SE-631: SE-650: SE-651: SE-652: SE-652:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security Secure Web Services Design Usability Engineering/Human-Computer Interaction Extensible Markup Language (XML) Networked Software Systems I Information Systems Architecture Information Systems Engineering Real-Time Software Analysis and Specification Real-Time Software Design and Implementation Software Project Management Software Organization Management Software Quality Management	
	SE-602: SE-605: SE-610: SE-611: SE-611: SE-616: SE-620: SE-626: SE-630: SE-631: SE-650: SE-651: SE-652: SE-652: SE-660: SE-698:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security Secure Web Services Design Usability Engineering/Human-Computer Interaction Extensible Markup Language (XML) Networked Software Systems I Information Systems Architecture Information Systems Engineering Real-Time Software Analysis and Specification Real-Time Software Design and Implementation Software Project Management Software Organization Management Software Quality Management Computer System Architecture	
	SE-602: SE-605: SE-610: SE-611: SE-6116: SE-620: SE-626: SE-626: SE-630: SE-631: SE-650: SE-651: SE-652: SE-660: SE-698: SE-699:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security Secure Web Services Design Usability Engineering/Human-Computer Interaction Extensible Markup Language (XML) Networked Software Systems I Information Systems Architecture Information Systems Engineering Real-Time Software Analysis and Specification Real-Time Software Design and Implementation Software Project Management Software Organization Management Software Quality Management Computer System Architecture Special Topics in Software Engineering	
	SE-602: SE-603: SE-610: SE-611: SE-611: SE-616: SE-620: SE-626: SE-630: SE-631: SE-650: SE-651: SE-652: SE-660: SE-698: SE-698: CS-514:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security Secure Web Services Design Usability Engineering/Human-Computer Interaction Extensible Markup Language (XML) Networked Software Systems I Information Systems Architecture Information Systems Engineering Real-Time Software Analysis and Specification Real-Time Software Design and Implementation Software Project Management Software Organization Management Software Quality Management Computer System Architecture Special Topics in Software Engineering Individual Research Project in Software Eng.	
	SE-602: SE-603: SE-610: SE-611: SE-611: SE-616: SE-620: SE-626: SE-630: SE-631: SE-651: SE-652: SE-652: SE-660: SE-698: SE-698: CS-514: CS-517:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security Secure Web Services Design Usability Engineering/Human-Computer Interaction Extensible Markup Language (XML) Networked Software Systems I Information Systems Architecture Information Systems Engineering Real-Time Software Analysis and Specification Real-Time Software Design and Implementation Software Project Management Software Organization Management Software Quality Management Computer System Architecture Special Topics in Software Engineering Individual Research Project in Software Eng. Networks Database Design and Management	
	SE-602: SE-603: SE-610: SE-611: SE-615: SE-620: SE-626: SE-630: SE-631: SE-651: SE-652: SE-652: SE-698: SE-699: CS-514: CS-517:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security Secure Web Services Design Usability Engineering/Human-Computer Interaction Extensible Markup Language (XML) Networked Software Systems I Information Systems Architecture Information Systems Engineering Real-Time Software Analysis and Specification Real-Time Software Design and Implementation Software Project Management Software Organization Management Software Quality Management Computer System Architecture Special Topics in Software Engineering Individual Research Project in Software Eng. Networks	
QUIREMENTS: Two Semester Th	SE-602: SE-603: SE-610: SE-611: SE-615: SE-616: SE-620: SE-626: SE-630: SE-631: SE-651: SE-652: SE-660: SE-698: SE-699: CS-514: CS-517: CS-533: BM-565:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security Secure Web Services Design Usability Engineering/Human-Computer Interaction Extensible Markup Language (XML) Networked Software Systems I Information Systems Architecture Information Systems Engineering Real-Time Software Analysis and Specification Real-Time Software Design and Implementation Software Project Management Software Organization Management Software Quality Management Computer System Architecture Special Topics in Software Engineering Individual Research Project in Software Eng. Networks Database Design and Management Database System Implementation	Credits
QUIREMENTS: Two Semester Th	SE-602: SE-603: SE-610: SE-611: SE-615: SE-616: SE-620: SE-626: SE-630: SE-631: SE-651: SE-652: SE-660: SE-698: SE-699: CS-514: CS-517: CS-533: BM-565:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security Secure Web Services Design Usability Engineering/Human-Computer Interaction Extensible Markup Language (XML) Networked Software Systems I Information Systems Architecture Information Systems Engineering Real-Time Software Analysis and Specification Real-Time Software Design and Implementation Software Project Management Software Organization Management Software Quality Management Computer System Architecture Special Topics in Software Engineering Individual Research Project in Software Eng. Networks Database Design and Management Database System Implementation	Credits
QUIREMENTS: Two Semester Th	SE-602: SE-603: SE-610: SE-611: SE-615: SE-616: SE-620: SE-626: SE-630: SE-651: SE-650: SE-660: SE-669: CS-514: CS-517: CS-533: BM-565:	Technology Assessment MOST Implementation Software Implementation and Reuse Software Systems Security Secure Web Services Design Usability Engineering/Human-Computer Interaction Extensible Markup Language (XML) Networked Software Systems I Information Systems Architecture Information Systems Engineering Real-Time Software Analysis and Specification Real-Time Software Design and Implementation Software Project Management Software Organization Management Software Quality Management Computer System Architecture Special Topics in Software Engineering Individual Research Project in Software Eng. Networks Database Design and Management Database System Implementation	Credits 3.

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

## NOTE:

 $<sup>^{\</sup>star}$  This track is open only to students with an undergraduate degree in Software Engineering.