

**Master of Science in Computer Science Security of Computer Systems & Networks
- ThesisTrack**

FOUNDATION REQUIREMENTS: 15 Credits* Credits

CS501B: Program Development	3.0
CS502: Theoretical Foundations of Computer Science	3.0
CS503: Data Structures and Algorithms	3.0
CS505: Operating Systems Concepts	3.0
CS509: Advanced Object-Oriented Programming and Design	3.0

PROGRAM REQUIREMENTS: 30 Credits Credits

CS512: Algorithm Design	3.0
CS514: Networks	3.0
CS517: Database Design and Management	3.0
CS518: Fundamentals of Computer Security and Cryptography	3.0
CS520: Introduction to Intelligent Systems	3.0
CS628: Security of E-Systems and Networks	3.0
Choose 3 credits from the following courses:	3.0
CS525: Simulation	
CS526: Performance Evaluation	
CS528: Database and Transactions Security	
CS533: Database System Implementation	
CS537: Client-Server Interfaces	
CS550: Computer System Architecture	
CS551: Parallel Processing	
CS635: Wireless Network Systems and Security	
Choose:	
3 credits from CS511 or higher	3.0
CS691: Computer Science Thesis I	3.0
CS692: Computer Science Thesis II	3.0

TOTAL CREDITS FOR THE MASTER OF SCIENCE IN COMPUTER SCIENCE - SECURITY OF COMPUTER SYSTEMS & NETWORKS - THESIS TRACK = 45.0

***Up to 15 credits may be waived up on evaluation of prior academic preparation**