

# Cybersecurity (MS)

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## Degree Requirements

Code	Title	Hours
<b>Required Courses</b>		<b>7</b>
CSC 600	Computer Science Graduate Orientation	
CSC/ECE 574	Computer and Network Security	
CSC 595	Cybersecurity Practicum	
<b>Cybersecurity Core Electives</b>		<b>12</b>
Select 12 credit hours from the following:		
CSC/MA 514	Foundations of Cryptography	
CSC 515	Software Security	
CSC 533	Privacy in the Digital Age	
CSC 537	Systems Attacks and Defenses	
CSC 705	Operating Systems Security	
CSC/ECE 774	Advanced Network Security	
CSC 789	Cellular and Telecommunications Security	
ECE 545	Cryptographic Engineering and Hardware Security	
<b>Foundation Electives</b>		<b>12</b>
Select 12 credit hours from the following:		
CSC 501	Operating Systems Principles	
CSC 510	Software Engineering	
CSC 512	Compiler Construction	
CSC 519	DevOps: Modern Software Engineering Practices	
CSC 522	Automated Learning and Data Analysis	
CSC/ECE 547	Cloud Computing Technology	
CSC 554	Human-Computer Interaction	
CSC/ECE 570	Computer Networks	
CSC/ECE 573	Internet Protocols	
CSC/ECE 575	Introduction to Wireless Networking	
CSC/ECE 576	Networking Services: QoS, Signaling, Processes	
CSC/ECE 577	Switched Network Management	
CSC 707	Automata, Languages and Computability Theory	
CSC 712	Software Testing and Reliability	
CSC 722	Advanced Topics in Machine Learning	
CSC 724	Advanced Distributed Systems	
CSC/ECE 773	Advanced Topics in Internet Protocols	
<b>Total Hours</b>		<b>31</b>