MASTER OF CYBERSECURITY

Curriculum

Requirement	Credits
Minimum Degree Credits	30
Minimum Core Course Credits	9
Minimum 500-Level CS/CSP Credits	20
Maximum 400-Level Credits	10

Code	Title	Credit Hours
Core Courses		**(9)**
Master of Cybersecurity students must take at least one course in each core group.		
CS 528	Data Privacy and Security	3
or CS 549	Cryptography and Network Security	
CS 458	Introduction to Information Security	3
or CS 557	Cyber-Physical Systems Security and Design	
CS 558	Advanced Computer Security	3
or CSP 544	System and Network Security	
or CS 527	Software Security	
Security Elective Courses		**(9)**
Select nine credit hours from the following:		9
CS 458	Introduction to Information Security	3
CS 520	Data Integration, Warehousing, and Provenance	3
CS 522	Advanced Data Mining	3
CS 525	Advanced Database Organization	3
CS 527	Software Security	3
CS 528	Data Privacy and Security	3
CS 544	Computer Networks II: Network Services	3
CS 549	Cryptography and Network Security	3
CS 550	Advanced Operating Systems	3
CS 551	Operating System Design and Implementation	3
CS 556	Cyber-Physical Systems: Languages and Systems	3
CS 557	Cyber-Physical Systems Security and Design	3
CS 558	Advanced Computer Security	3
CS 559	Biometrics	3
CS 579	Online Social Network Analysis	3
CS 584	Machine Learning	3
CS 586	Software Systems Architectures	3
CS 587	Software Project Management	3
CS 589	Software Testing and Analysis	3
CSP 544	System and Network Security	3
SCI 522	Public Engagement for Scientists	3
General Elective Courses		**(12)**
Select 12 credit hours from any 400- or 500-level CS/CSP course		12
Total Credit Hours		**30**

[1]   All core and security elective courses must be satisfied by courses taken at Illinois Institute of Technology. Only courses taken from the IIT CS department can be used as core courses; CS courses transferred from other universities can be used only as electives.

[2]   Students without a prior degree in computer science may be required to take some or all of the following courses: CS 201, CS 401, CS 402, and any other necessary prerequisites. This will likely increase the duration of the degree for such students.