

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 or CS 549	Data Privacy and Security Cryptography	3
CS 458 or CS 557	Intro to Information Security Cyber-Physical Sys Sec/Dsgn	3
CS 558 or CSP 544	Advanced Computer Security System and Network Security	3
Security Elective Courses (9)		
Select nine credit hours from the following:		
CS 458	Intro to Information Security	3
CS 520	Data Integration Warehousing	3
CS 522	Advanced Data Mining	3
CS 525	Advanced Database Organization	3
CS 528	Data Privacy and Security	3
CS 544	Computer Ntwrks II: Ntwrk Svc	3
CS 549	Cryptography	3
CS 550	Advanced Operating Systems	3
CS 551	Operating Syst Design&Implemtn	3
CS 556	Cyber-Physical Sys: Lang & Sys	3
CS 557	Cyber-Physical Sys Sec/Dsgn	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 Arch	3
CS 587	Software Project Management	3
CS 589	Software Testing and Anlys	3
CSP 544	System and Network Security	3
SCI 522	Public Engagement Scientists	3
General Elective Courses (12)		
Select 12 credit hours from any 400- or 500-level CS course		
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.