

MASTER OF CYBER FORENSICS AND SECURITY

At the conclusion of their studies, graduates of the Master of Cyber Forensics and Security degree should be able to:

- Design and implement a comprehensive enterprise security program using both policy and technology to implement technical, operational, and managerial controls.
- Comprehensively investigate information security incidents and violation of law using computer resources in a manner such that all evidence is admissible in a court of law.
- Technically secure enterprise information assets and resources to deter, detect, and prevent the success of attacks and intrusions.

Illinois Institute of Technology has been designated as a National Center of Academic Excellence in Cyber Defense Education by the National Security Agency and the U.S. Department of Homeland Security. This designation results from meeting stringent Center of Academic Excellence criteria and mapping of information technology and management curricula to a core set of cyber defense knowledge units. Students attending Center of Academic Excellence in Cyber Defense Education institutions are eligible to apply for scholarships and grants through the Department of Defense Information Assurance Scholarship Program and the Federal Cyber Service Scholarship for Service Program. This designation reflects Illinois Institute of Technology's commitment to producing professionals with cyber defense expertise for the nation.

Curriculum

Required Core Courses		(18) ¹
ITMS 538	Cyber Forensics	3
ITMS 543	Vulnerability Analysis and Control	3
ITMS 548	Cyber Security Technologies	3
ITMS 578	Cyber Security Management	3
LAW 273	Evidence	3
Select a minimum of one course from the following:		3
ITMS 539	Steganography	3
ITMS 549	Cyber Security Technologies: Projects & Advanced Methods	3
Elective Courses		(11-12)
Select a minimum of 9 credit hours from the following:		9
Any 500-level ITMS course not listed in required courses above. ²		
ITMM 585	Legal and Ethical Issues in Information Technology	3
ITMM 586	Information Technology Auditing	3
ITMO 556	Introduction to Open Source Software	3
ITMT 594	Special Projects in Information Technology	3
ITMT 597	Special Problems in Information Technology	3
Select a minimum of one course from the following: ³		2-3
LAW 240	National Security Law	2
LAW 478	Computer & Network Privacy	3
LAW 495	Electronic Discovery	2

Minimum degree credits required: 30

¹ Core course requirements may be waived upon presentation of evidence of equivalent coursework, certification, or experience. Approval of waivers will be made by the student's adviser or the ITM associate chair.

² ITMS 579 may be taken more than once.

³ LAW electives not listed above may be substituted as approved by the student's adviser or the ITM associate chair.