

Graduate Program
Master of Information Technology Security (MITS)
Winter Start 2025

COURSE BASED MITS-AI				
S1 Winter	MITS 5400G Secure Software Systems	MITS 6800G Machine Learning		
S2 Summer	MITS AI Elective			
S3 Fall	MITS AI Elective	MITS 5500G Cryptography and Secure Communications		
S4 Winter		MITS 6810G Adversarial Machine Learning		
S5 Summer	MITS 6700G Complex Networks	MITS AI Elective		
S6 Fall	MITS 5100G Law and Ethics	MITS 5600G Security Policies and Risk Management		MITS 5900G Seminar
<p>Students may request relevant 5000G or 6000G level courses in Information Technology, Computer Science, Electrical and Computer Engineering or Health Informatics as electives. The choice of elective must be approved by the Graduate program Director.</p>				

CAPSTONE BASED MITS-AI

S1 Winter	MITS 5400G Secure Software Systems	MITS 6800G Machine Learning		
S2 Summer	MITS AI Elective			
S3 Fall		MITS 5500G Cryptography and Secure Communications		
S4 Winter		MITS 6810G Adversarial Machine Learning	Capstone	
S5 Summer	MITS 6700G Complex Networks		Capstone	
S6 Fall	MITS 5100G Law and Ethics	MITS 5600G Security Policies and Risk Management		MITS 5900G Seminar

Capstone projects are **limited and competitive**, not assigned nor guaranteed. In order to be eligible for Capstone I & II, students must have nine credit hours (3 courses), in MITS courses and/or permission from instructor. Capstone project must be 2 consecutive terms.

INTERNSHIP BASED MITS-AI

S1 Winter	MITS 5400G Secure Software Systems	MITS 6800G Machine Learning		
S2 Summer	MITS AI Elective	MITS 6700G Complex Networks		
S3 Fall		MITS 5500G Cryptography and Secure Communications		
S4 Winter		MITS AI Elective: MITS 6810G Adversarial Machine Learning	MITS 7000G Internship could start	
S5 Summer			MITS 7000G Internship	MITS 5900G Seminar
S6 Fall	MITS 5100G Law and Ethics	MITS 5600G Security Policies and Risk Management	No internship can be in this semester	OR MITS 5900G Seminar if not completed in S25

No internship is allowed in final semester because of tax rules. Internships are **limited and competitive** not assigned nor guaranteed. Internship must be at least 12 weeks full time or 420 hours in length. Students must have 12 credits (4 courses), been at Ontario Tech for 2 semesters, and have a CGPA of 3.0 before applying through the Student Life Portal. Students can secure their own internship with approval from the Graduate Program Director via FBIT's Internship Coordinator.