

# AI-DRIVEN CYBERSECURITY IN ORGANIZATIONS: MICRO CREDENTIAL

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This graduate-level micro-credential provides a progressive, stackable learning experience that enables students to gain knowledge about cybersecurity solutions using artificial intelligence within organizations. The program starts with fundamental computer security concepts before students move on to cybersecurity risk management and finish with practical AI-based cyber defense techniques. Students complete the program with readiness for both further academic study and professional positions in the changing cybersecurity field. This micro-credential provides fully stackable credit for a Master of Science in Cybersecurity

The required courses and suggested sequence are as follows:

Code	Title	Credits
INFT 6142	Computer Systems Security	3
INFT 6070	Cybersecurity Risk Analysis and Management	3
INFT 6090	Artificial Intelligence for Cybersecurity – Concepts and Tools	3

**Upon successful completion of this program, students should be able to:**

- Apply knowledge of cybersecurity policies, governance, and stakeholder responsibilities to analyze, design, and secure computer-based systems, processes, or programs aligned with organizational and business needs.
- Analyze and resolve security issues in networks and computer systems to secure an IT infrastructure. Also, design, develop, test and evaluate secure software.