Register Today!

@CyberWave_NITT

TABLE OF CONTENTS

- Fast Track to Cyber Security Expertise
- Cyber Security Tracks
- Micro-Credential Breakdown
  - Certified Network Defender (CND)
  - Certified Ethical Hacker (CEH)
  - Certified Penetration Testing (CPENT)
  - Certified SOC Analyst (CSA)
  - Certified Threat Intelligence Agent (CTIA)
  - Certified Incident Handler (ECIH)
  - Certified Secure Computer User (CSCU)
- Welcome to CyberWave

MICRO-CREDENTIALS MAKE A BIG IMPACT

Learn high-demand cyber security skills in courses created for real-world needs with Certified Cybersecurity Technician.

YOUR FAST TRACK TO CYBER SECURITY EXPERTISE

For new learners, established cyber security professionals, and cybersecurity leaders looking to upskill their teams, our Micro-credentials are a fast-track way to learn and earn — a series of cybersecurity courses that can be completed in a few weeks — or even days — to prepare you for a career in one of the specific skill gaps.

Not sure which course is right for you? See where your unique skills and experience stack up against our skill gaps with the assessments.

TAKE THE APTITUDE TEST

VULNERABILITY ASSESSMENT & PENETRATION TESTING

(CNSS) Certified Network Defender
(CEH) Certified Ethical Hacker
(CPENT) Certified Penetration Testing
(LPT) Licensed Penetration Tester

SOFTWARE SECURITY

(CSA) Certified SOC Analyst
(ECIA) EC-Council Application Security Engineer .net & Java
(CTIA) Certified Threat Intelligence Analyst
(LPT) Licensed Penetration Tester

NETWORK DEFENSE AND OPERATIONS

(CNSS) Certified Network Defender
(CSA) Certified SOC Analyst
(CTIA) Certified Threat Intelligence Agent
(CIH) Certified Incident Handler
(ECES) EC-Council Ethical Hacking Essentials
(CAPE) Advanced Network Defense

CYBER FORENSICS

(CNSS) Certified Network Defender
(CEH) Certified Ethical Hacker & CQH Master Exam
(CTIA) Certified Threat Intelligence Agent
(CIH) Certified Incident Handler
(CHFI) Computer Hacking Forensic Investigator

VULNERABILITY ASSESSMENT & PENETRATION TESTING TRACK

Shape your organization's cyber security posture with the expertise required to find weak points, assess their impact, and develop the right strategic recommendations to strengthen them.

COURSES

Certified Network Defender (CND)
Certified Ethical Hacker (CEH)
Certified Penetration Testing (CPENT)
Licensed Penetration Tester (LPT)

NETWORK DEFENSE & OPERATIONS TRACK

Learn to detect, identify, and respond to a wide range of threats while gathering exactly the intelligence that will guide your security strategy and ensure your organization's properties are protected against any cyber crime.

COURSES

Certified Network Defender (CND)
Certified SOC Analyst (CSA)
Certified Threat Intelligence Agent (CTIA)
Certified Incident Handler (ECIH)
Disaster Recovery Professional (EDRP)
Advanced Network Defense (CAPE)

SOFTWARE SECURITY TRACK

Get the skills you need to assess, mitigate, and protect against exploitation of application software and code, and stay ahead of ever-changing cyber threats.

COURSES

Certified Network Defender (CND)
Certified Application Security Engineer (CASE) .net & Java
Certified Secure Programmer (CSP)
Licensed Penetration Tester (LPT)

CYBER FORENSICS TRACK

Learn how to investigate incidents, perform admissible evidence, and identify the perpetrators of cyber crimes.

COURSES

Certified Network Defender (CND)
Certified Ethical Hacker (CEH) & CQH Master Exam
Certified Threat Intelligence Agent (CTIA)
Certified Incident Handler (CIH)
Computer Hacking Forensic Investigator (CHFI)

MICRO-CREDENTIAL BREAKDOWN

Explore our micro-credential programs to see exactly what you'll learn, the skills you'll gain, and how long it takes to complete each course. Find the course that aligns with your career goals.

- **Certified Network Defender (CND)**
- **Certified Ethical Hacker (CEH)**
- **Certified Penetration Testing** (CPENT)
- **Certified SOC Analyst** (CSA)
- **Certified Threat Intelligence Agent** (CTIA)
- **Certified Incident Handler** (ECIH)
- **Certified Secure Computer User** (CSCU)

CERTIFIED NETWORK DEFENDER (CND)

The CND program develops your skills as a network administrator to protect against, detect, respond to, and predict threats on your network.

YOU'LL LEARN ALL ABOUT:

- Network administrator roles and how to protect against, detect, respond to, and predict threats
- Network security controls, protocols, and mitigation strategies and how to mitigate them
- Network planning and managing the security of virtualization, cloud, and mobile networks
- Mobile security requirements and how to protect your organization's mobile devices
- Cloud security and how to implement it in your organization
- Read, three intelligence concepts

BOOK YOUR SESSION TODAY

CERTIFIED ETHICAL HACKER (CEH)

The CEH program is the leading ethical hacking training program, teaching you how to think like a hacker and how to defend against cyber attacks, so you can protect the cyber security of your organization.

YOU'LL LEARN ALL ABOUT:

- Fundamentals of ethical hacking
- Potential threat vectors and effective countermeasures
- Emerging threats and the latest hacking techniques
- How to combat Trojans, malware, backdoors, and more
- How to hack using mobile devices

BOOK YOUR SESSION TODAY

CERTIFIED PENETRATION TESTING (CPENT)

The CPENT program is all about giving you the skills you need to succeed as a penetration tester. We provide real-world training and engagements, training you to think like a hacker and gaining the ability to adapt to new challenges.

YOU'LL LEARN ALL ABOUT:

- Rules and career progression for penetration testers and security analysts
- Pulling theory into practice with our Advanced Penetration Testing Range & CASE Ultimate Lab-based Program
- How to deliver a best-in-class range of services
- Cases pentesters face
- Standard templates that help during penetration testing

BOOK YOUR SESSION TODAY

CERTIFIED SOC ANALYST (CSA)

The CSA program is perfect for current and aspiring Tier I and Tier II SOC analysts looking to expand their knowledge and hone their skills. The program focuses on the fundamentals of SOC operations, so you can hit the ground running in your role. Advanced threat detection and incident response skills are covered.

YOU'LL LEARN ALL ABOUT:

- How to prepare and run a program that provides actionable threat intelligence
- Developing predictive capabilities for your organization
- Training other employees in security awareness to develop threat intelligence programs
- What the threat landscape looks like, trends and how to stay ahead of them
- How to enhance your skills and boost employability

BOOK YOUR SESSION TODAY

CERTIFIED INCIDENT HANDLER (CIH)

The CIH program gives you the fundamental skills to detect, respond to, and manage security incidents. You'll learn how to manage an incident from beginning to end, and how to develop plans and procedures to ensure everything runs smoothly. Incident handling and response is covered.

YOU'LL LEARN ALL ABOUT:

- Detecting and responding to security threats and breaches
- How to deal with the aftermath of a security breach
- Handling incidents and conducting assessments
- Responding to malicious code, malware, code, network, and application incidents

BOOK YOUR SESSION TODAY

CERTIFIED SECURE COMPUTER USER (CSCU)

The CSCU program teaches you the foundational skills of cyber security and how to apply them to your day-to-day tasks. We also cover emerging threats, so you can be ready for them.

YOU'LL LEARN ALL ABOUT:

- Basic online security principles
- Threats and attacks
- Identifying and avoiding a wide range of computer and network security threats
- Safely using email, social media, cloud storage, mobile devices, and more

BOOK YOUR SESSION TODAY

WELCOME TO CYBERWAVE

Cyber attacks have increased by 330% since January 2020. As a result, three out of four employers cite cyber security as a top priority in their COVID-19 recovery strategy. Recognizing the rising demand for professionals with a combination of specialized skills, MITT responded with CyberWave — a centre dedicated to addressing the labour shortage in cyber security and providing a hub for thought-leadership, work-integrated learning, and applied research in this rapidly-evolving sector.

FOR LEARNERS

If you're looking to pivot into a new career or just contemplating your next step, consider this: Deloitte predicts Canadian companies will hire over 8,000 cyber security professionals over the next two years. At the same time, global opportunities are expected to reach 313,000 new jobs. CyberWave at MITT is the perfect place to make your move. CyberWave has joined with leading employers and globally recognized certification institutes to deliver focused training in some of the most sought after specializations in cyber security. Whether you're seeking full-time or part-time learning, CyberWave offers options for education and training with multiple entry points, helping you get the skills you need and employers demand.

No tech experience? No problem. While hard skills, such as systems analysis, Windows servers, and data analysis are important for some cyber security occupations, the field also requires transferable skills such as interpersonal communication, teamwork, and problem-solving, to name a few. Individuals with these desirable skills are well positioned for re-training in risk management, sales/marketing, and governance roles, which presents equally critical opportunities with employers.

FOR EMPLOYERS

The move to remote work and proliferation of mobile devices has increased the attack surface. It's commonly accepted among cyber security professionals that it isn't a matter of if you'll experience a breach, but when. And when it comes to protecting your digital and physical assets, the best defence is a good offensive strategy. In other words, if you want to stay ahead of threats, it's time to invest in talent. Whether it's implementing a cyber-awareness program, engaging in work-integrated learning, upskilling team members in cyber security specializations, or re-training individuals with transferable skills for new roles, CyberWave is your partner in learning.

Additionally, you can contribute to growing the cyber security talent pool in Manitoba by sharing your thought-leadership and industry expertise. Guest speakers, program advisory groups, and instructor opportunities are a few ways the CyberWave team engages with the cyber security sector. Industry-focused events and other industry-based activities are scheduled for this Fall.

EC-Council

Manitoba

Canada

MANITOBA INSTITUTE OF TRADES & TECHNOLOGY

@CyberWave_MITT