



**MedTech**  
Mediterranean  
Institute of Technology



**CYBER SECURITY**

**MASTER**

**Part-time**

# Secure your Career, Become a Cyber Security Leader with MedTech's Master degree in Cyber Security

## WHY EC-COUNCIL CERTIFICATIONS?

The International Council of E-Commerce Consultants, or EC-Council, stands as the world's leading authority in Cyber Security certification.

Operating in 145 countries, EC-Council has developed and owns esteemed certifications such as the Certified Ethical Hacker (C|EH), Computer Hacking Forensics Investigator (C|HFI), and the Certified Security Analyst (ECSA).

Their programs have contributed to the training and certification of over 300,000 information security professionals globally. This has significantly influenced the cyber security landscape of numerous organizations around the world.



Our Cyber Security Master's focuses on the essential skill of protecting electronic data against unauthorized access. This program offers a comprehensive journey into the realm of Cyber Security, providing you with the tools and knowledge to excel in safeguarding digital information.



Duration  
**2 Years**



Schedule  
**flexible for working professionals**



Start Date  
**April**

## WHY OUR CYBER SECURITY MASTER?

Our Master's Degree in Cyber Security is structured to deliver advanced and specialized education in the domain of Computer Security, ensuring alignment with the latest updates and trends in the field. This dynamic program is a response to global and national calls aimed to equip you with:

- Enhance undergraduate training with a focus on IT security design, development, and control skills.
- Provide advanced computer security training for doctoral program readiness.
- Develop skills in designing, developing, and evaluating IT security solutions.
- Cultivate the ability to lead research projects and integrate into research teams in computer security.
- Foster comprehensive expertise in technological, human, and organizational aspects of IT security.
- Elevate IT professionals' knowledge for effective practice, especially as IT security managers.
- Prepare individuals for roles like Information Security Officer in the IT security domain.
- Foster independent research and development capabilities, enabling skill expansion in the field.

## CURRICULUM

### SEMESTER 1

- CRYPTOGRAPHY
- CYBER SECURITY ASSESSMENT AND MANAGEMENT
- AI FOR CYBERSECURITY
- COMPUTER NETWORK SECURITY
- ENGINEERING ETHICS & PROFESSIONAL PRACTICE
- INCIDENT RESPONSE AND RECOVERY

### SEMESTER 2

- MACHINE LEARNING
- IOT SECURITY
- EFFECTIVE TECHNICAL COMMUNICATION
- PERVASIVE COMPUTING & CLOUD
- DESIGN AND DEVELOPMENT OF SECURE SOFTWARE
- EC-C CERTIFICATION: CEH OR NDE

### SEMESTER 3

BLOCKCHAIN TECHNOLOGY  
INFORMATICS SECURITY AND LAW  
SECURITY AND PRIVACY  
INFORMATION TECHNOLOGIES SECURITY  
RESEARCH METHODS  
DIGITAL FORENSICS

### SEMESTER 4

MASTER THESIS

## SCHOLARS SPOTLIGHTS



**Dr NIHEL BEN YOUSSEF**

Among top 50 women in Cyber Security in Africa in 2020, and Co-Founder of SecuriNets Association



**Dr ABDELDJALIL LABED**

Expert in Cyber Security focusing on Intelligent Intrusion Detection Systems  
**MEDTECH**



**Dr JIHEN BEN NACEUR**

Researcher focusing on Wireless Sensor Networks and IoT Security  
**MEDTECH**



**Dr DARINE AMEYED**

AI Lead senior Research Advisory and Consultant  
**MINISTRY OF CYBER SECURITY IN QUEBEC**



**DR HICHEM KALLEL**

Expert in Electrical Engineering specializing in Robotics  
**MEDTECH**



**Dr FEHMI JAAFAR**

Director of the Cyber Defense Research Chair specializing in IoT Security  
**QUEBEC UNIVERSITY**



**Dr AMINA MSEDDE**

Expert in Computer Networks and Telecommunication  
**MEDTECH**



**Dr SALMA HAMZA**

Expert in Software Evolution, Defect analysis, and reverse Engineering  
**MEDTECH**



**Dr GHASSEN KILANI**

Expert in Information Privacy and Blockchain Technology  
**MEDTECH**



**Dr IMED HAMMOUDA**

Expert in Software development, ecosystems, and architecture  
**TAMPERE UNIVERSITY OF TECHNOLOGY**

# CONTACT

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