



Diploma in

# Information Technology Cyber Security & Networking

网络互联与安全专业文凭课程

Certified By 波兰热舒夫信息技术与管理大学认证



**UNIVERSITY of INFORMATION  
TECHNOLOGY and MANAGEMENT**  
in Rzeszow, POLAND



## PROGRAM OVERVIEW

The Diploma in Cybersecurity and Network program is an educational offering that provides students with a comprehensive understanding of cybersecurity principles and network technologies. The program is designed to equip students with the practical skills and knowledge needed to pursue entry-level positions in the field of cybersecurity and networking.

## CAREER OPPORTUNITIES

- **Network Administrator:** Manage an organisation's computer network.
- **Network Security Analyst:** Secure computer systems through security measures, network monitoring, and incident response.
- **Cybersecurity Analyst:** Analyze security risks, prevent security breaches and safeguard digital assets.
- **Network Engineer:** Design and implement computer networks, including local area networks (LANs), wide area networks (WANs), and cloud-based networks.
- **Security Administrator:** Administer security measures within an organisation.
- **IT Support Specialist (Security):** Provide technical support to end-users on security-related issues.

## CAREER OUTLOOK 职业前景

# 12%

Increase in jobs per year through 2030  
就业机会增加率直至 2030 年

# \$104K

Average annual base salary in the US  
平均年基本工资 (美国)

# 41%

Cybersecurity professionals work remotely  
网络安全专业人士皆远程工作

## 关于此课程

网络互联与安全专业文凭课程是一项教育项目，为学生提供了对网络安全原理和网络技术的全面理解。该项目旨在为学生提供实际技能和知识，以追求网络安全和网络领域的职位。

## 工作机会

- **网络管理员:** 配置、管理和维护组织的计算机网络，确保高效的数据传输和通信。
- **网络安全分析师:** 专注于保护组织的计算机系统和网络免受安全威胁，包括实施安全措施、监控网络流量并对安全事件作出响应。
- **网络安全分析员:** 分析和评估安全风险，实施安全解决方案，并监控系统以发现潜在的安全漏洞，保护数字资产。
- **网络工程师:** 设计和实施计算机网络，包括局域网 (LAN)、广域网 (WAN) 和基于云的网络。
- **安全管理员:** 在组织内管理和实施安全措施，包括防火墙、入侵检测系统和加密技术。
- **IT 支持专员 (以安全为重点):** 为终端用户提供技术支持，特别关注解决与安全相关的问题，并向用户介绍最佳的安全实践。





### Duration 学程

12 months

### Assessment 评估

100% Coursework

100% 课程作业

### Entry Requirement 入学标准

Age 16 and above

16岁或以上

### Medium 教学语言

Curriculum is in English. Classes are conducted in English & Mandarin.

课程以英文为主，中英双语授课。

### Programme Fee 课程费用

1st Semester: RM 12,000

2nd Semester: RM 4,000

3rd Semester: RM 3,500

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**Grand Total: RM 19,500**

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### AREAS OF STUDY

- **Network Fundamentals:** Understanding the basics of computer networks, protocols, and network architecture.
- **Cybersecurity Principles:** Learning about the principles of cybersecurity, including risk management, threat analysis, and security policies.
- **Network Security:** Studying techniques and technologies for securing computer networks, including firewalls, intrusion detection systems, and virtual private networks (VPNs).
- **Cyber Threats and Attacks:** Identifying and analyzing common cyber threats and attacks, such as malware, phishing, and denial-of-service attacks.
- **Cryptography:** Exploring the principles and applications of cryptography for securing communications and data.
- **Operating System Security:** Understanding how to secure operating systems to protect against vulnerabilities and unauthorized access.
- **Network Administration:** Acquiring skills in network administration, including the setup, configuration, and maintenance of network infrastructure.

### 学习范围

- **网络基础知识:** 了解计算机网络、协议和网络架构的基础知识。
- **网络安全原理:** 学习网络安全原理，包括风险管理、威胁分析和安全策略。
- **网络安全:** 研究用于保护计算机网络的技术和方法，包括防火墙、入侵检测系统和虚拟专用网络 (VPN)。
- **网络威胁与攻击:** 识别和分析常见的网络威胁和攻击，如恶意软件、钓鱼和拒绝服务攻击。
- **密码学:** 探讨用于保护通信和数据的密码学原理和应用。
- **操作系统安全:** 了解如何保护操作系统，防范漏洞和未经授权的访问。
- **网络管理:** 获得网络管理技能，包括网络基础设施的设置、配置和维护。



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@thenovaacademy



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enquiry@nova-edu.com.my



**Lume Education Group Sdn Bhd**

Reg No: 202301044484 (1538400-D)

Lot L1-E-4, Level 1, HIVE 5 (Enterprise 4),  
Taman Teknologi MRANTI, Bukit Jalil,  
57000 Kuala Lumpur, Malaysia.