

## Statement of participation

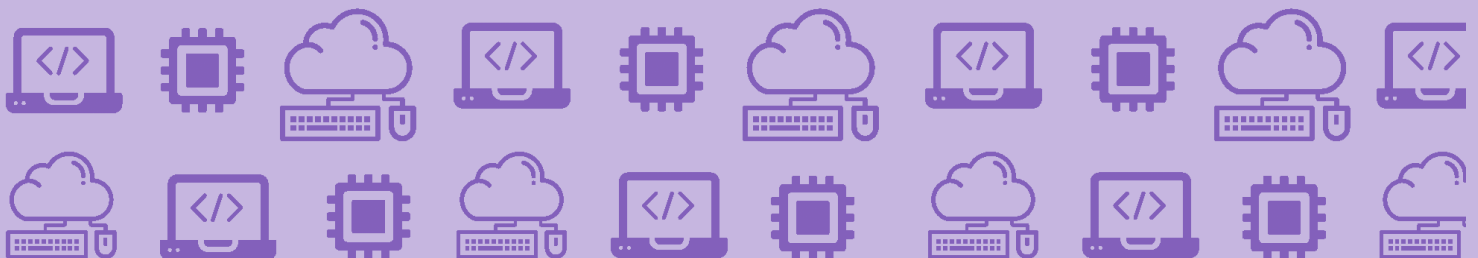
# Nguyen Vu Thanh Danh

has completed the free course including any mandatory tests for:

### Network security

This 25hour free course discussed network security and the intricacies of maintaining system resilience. It assumed an advanced knowledge of computing

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[www.open.edu/openlearn](https://www.open.edu/openlearn)

This statement does not imply the award of credit points nor the conferment of a University Qualification.  
This statement confirms that this free course and all mandatory tests were passed by the learner.

Please go to the course on OpenLearn for full details:  
<https://www.open.edu/openlearn/digital-computing/network-security/content-section-0>

COURSE CODE: T823\_1

## Network security

<https://www.open.edu/openlearn/digital-computing/network-security/content-section-0>

### Course summary

Encryption of files and firewalls are just some of the security measures that can be used in security. This free course, Network security, which assumes you have a substantial knowledge of computing, helps to explain the intricacies of the continually changing area of network security by studying the main issues involved in achieving a reasonable degree of resilience against attacks.

### Learning outcomes

By completing this course, the learner should be able to:

- identify some of the factors driving the need for network security
- identify and classify particular examples of attacks
- define the terms vulnerability, threat and attack
- identify physical points of vulnerability in simple networks
- compare and contrast symmetric and asymmetric encryption systems and their vulnerability to attack, and explain the characteristics of hybrid systems.

### Completed study

The learner has completed the following:

#### Section 1

Terminology and abbreviations

#### Section 2

Background to network security

#### Section 3

Threats to communication networks

#### Section 4

Principles of encryption

#### Section 5

Implementing encryption in networks

#### Section 6

Integrity

#### Section 7

Freshness

#### Section 8

Authentication

#### Section 9

Access control