Cyber Defence - NATO Computer Security (COMPUSEC) Practitioner Level 1

The purpose of this course is to provide students with the practical knowledge, skills and experience required to implement effectively NATO’s chosen computer and network security solutions at the Local Area Network (LAN) level so to be able to maintain the confidentiality, integrity and the availability of his/her site.

This course will provide the required knowledge and training for staff from NATO Headquarters, NATO Commands, NATO MoDs, and NATO Agencies appointed to implement, monitor and maintain NATO’s computer and network security solutions.

Upon completion of the course, the qualified student will be able to successfully implement, monitor and maintain NATO’s chosen computer network security solutions, including:

- Hardening Windows Workstation and Server Operating Systems
- Hardening Windows Applications
- Hardening Virtual Environments
- Application and Patch Management
- Email Server Anti-Malware
- Windows Workstation & Server Anti-Malware
- Centralized Security Management
- Data Loss Prevention
Please note that the course is 100% Practical. The student will manage a virtualized complex and realistic network environment based on Windows 2012 R2 and Windows 7/10. Therefore, except the first day, the student will perform practical exercises during the daily working hours and will be required to do self-study on the provided handouts in the afterhours in the NCIS student quarter or Hotel.

“Please be aware that the course is rather intense and requires Advanced Enterprise System Administration Experience in a Microsoft Windows environment to succeed in the Final Practical Test that will last for 1.5 days”.

5. Qualification

NATO COMPUSEC Practitioner Level 1 - Hardening and Patch Management

6. Student Criteria

The student will be accepted on the course if he/she meets all of the following criteria:

1. The student has been assigned or selected for assignment to a NATO HQ, or a NATO Agency, or a NATO Unit or earmarked for assignment to a NATO post.

2. The student has been assigned to a post fulfilling the roles and responsibilities of System Administration Staff or CIS Security (INFOSEC/COMPUSEC) Staff.

3. The student is directly responsible for the implementation, technical management or monitoring of NATO’s chosen computer and network security solutions.

4. Register for an account for the NATO UNCLASSIFIED Cyber Security Service Line information sharing portal. You will receive a username and password after your request has been approved. (http://www.ncirc.nato.int/Account/Register)

5. The Student requires to meet the Background Knowledge Prerequisites for this course (see point 16).

7. Rank

The student has to hold a rank between OR-6 and OF-3 or Civilian equivalent.

This restriction is to ensure that the course correctly targets a suitable audience in order to achieve its aim.
8. Language Proficiency

According to STANAG 6001: English SLP 3232

9. Security Clearance

NATO SECRET (Minimum).

The student has to hand-carry a duly filled in and signed original of the NATO Security Clearance Certificate (see AD 70-1, Part IV, Chapter 1, Annex D). This is primarily for facility access.

10. Course Length

5 working days

11. Special Instructions

12. Class Size (Maximum/Recommended/Minimum)

12 / 8 / 6

13. Nomination Procedure

www.nciss.nato.int
14. Pre Course Study Material

Students should be aware of the contents of the following policy documents:

  This is a good reference for non-ACO personnel.

- Microsoft Active Directory Organisational Units

- Microsoft Active Directory GPOs
  http://en.wikipedia.org/wiki/Group_Policy

- Public Key Infrastructure (PKI)
  http://en.wikipedia.org/wiki/Public_key_infrastructure

15. Location

The course is conducted at the
NATO Communications and Information Systems School (NCISS), Latina, Italy.
16. Background Knowledge Prerequisites

The student must have successfully completed either:

- Deployable IS Foundation (NCISS ID 961) or
- LINC-E IS Administrator (NCISS ID 901) or
- DRAGONFLY IS Administrator (NCISS ID 911) or
- FULFILL all the Essential Prerequisites

**Essential Prerequisites:**

- Advanced Enterprise System Administration Experience in a Microsoft Windows environment (Active Directory OUs, Active Directory GPOs);
- Advanced knowledge of TCP/IP networking;
- Basic knowledge of Public Key Infrastructure (PKI).

**Desirable Prerequisites:**

- Extensive Enterprise System Administration Experience in a Microsoft Windows environment.

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