

ITSY 2072 Strategic Infrastructure Security - SCNP Certification

Course Description:

The Strategic Infrastructure Security course begins where Tactical Perimeter Defense ends. The second SCP course leads to the Security Certified Network Professional (SCNP) certification. It provides network administrators with the additional hands on skills needed to protect their network from the inside out. This course teaches prevention techniques and gives an understanding of risk analysis and security policy creation in a blended technology environment. The up-to-date security lessons and intense, hands-on labs bring a real world network security to training candidates.

Prerequisites:

ITSY 2071 Tactical Perimeter Defense, or equivalent knowledge

Length of Course:

48-hours.

Course Learning Objectives:

Students will learn how to

- Harden SuSe Linux 10 Server computers.
- Harden Windows Server 2003 computers.
- Utilize ethical hacking attack techniques.
- Secure DNS and web servers, and examine Internet and WWW security.
- Perform a risk analysis.
- Create a security policy.
- Analyze packet signatures.

Rationale:

Information security is today's most critical requirement in IT networks. Security Certified Programs created certifications and curricula to develop and validate skills of computer and network security professional. The SCP courses and certifications are designed not just around knowledge-based theory, like so many others, rather around the actual technical skills required by practitioners.

Texts for the Course: Strategic Infrastructure Security [included]

Evaluation:

Those who participate in class discussions and miss no more than three class meetings will be awarded 4.8 continuing education units. The Student also will be prepared for the *SCNP* certification. The *SCNP* certification exam purchase and registration are be the responsibility of the student. The exam may be scheduled and taken anytime following the course at any PearsonVue or Prometric testing centers.

Certification

To become SCNP certified, candidates must successfully pass one exam: SC0-471.
[Learn more about SCNP Certification.](#)

Course Content:

- Lesson 1: Cryptography
- Lesson 2: Hardening Linux
- Lesson 3: Hardening Windows
- Lesson 4: Ethical Hacking Techniques
- Lesson 5: Security on the Internet and WWW
- Lesson 6: Risk Analysis
- Lesson 7: Security Policy
- Lesson 8: Analyzing Packets