

ITSY 2070 Security Certified Programs SCP Series

Course Description:

The series provide training for the Tactical Perimeter Defense (TPD) class, the starting point with the Security Certified Program (SCP), and the Strategic Infrastructure Security (SIS) course which begins where Tactical Perimeter Defense ends. The series provides network administrators with the additional hands on skills needed to protect their network from the inside out. This series 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. Series consists of ITSY 2071 & ITSY 2072.

Prerequisites:

Security+ or equivalent knowledge/experience.

Length of Course:

96-hours.

Course Learning Objectives:

Students will learn how to

- Describe the core issues of building a perimeter network defense system.
- Investigate the advanced concepts of the TCP/IP protocol suite.
- Secure routers through hardening techniques and configure Access Control Lists.
- Design and configure multiple firewall technologies.
- Examine and implement IPSec and Virtual private Networks.
- Design and configure an Intrusion Detection System.
- Secure wireless networks through the use of encryption systems.
- Harden SuSe Linux 10 Windows 2003 Server 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:

Included in:
ISTY 2071
ISTY 2072

Evaluation:

Those who participate in class discussions and miss no more than three class meetings will be awarded 9.6 continuing education units. The Student also will be prepared for the SCNS & SCNP certifications. The SCNS & SCNP certifications 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.

To become SCNS certified, candidates must successfully pass one exam: SC0-451. To become SCNP certified, candidates must successfully pass one exam: SC0-471. [Learn more about SCNP Certification.](#)

Course Content:

Included in:
ISTY 2071
ISTY 2072