

# Security Workshop

WS-ITSEC, 70% Lecture, 30% Lab

WORKSH@P

Starting You Right

@ ECS Training Division

## Description

"Common knowledge is not enough, your career requires skills". ECS Training Division to meet the demand of individuals who want to be a security professional or who would like to have a quick overview of IT security creates this workshop. Area of attacks by Hackers will be discussed. Firewall deployment would also be covered together with the outlines specified.

## Audience

- IT personnel involved in the IT security area of their organization.
- **Decision-maker** with respect to the IT planning or implementation
- Provide **Technical** personnel as a basic startup before proceeding to IT Security courses
- For anyone seeking for an understanding of IT Security knowledge.

## Course Outline

### The Situation Today: A Network At War

- Cyber Warriors
- Vectors of Attack
- What is Security
- Security Facts
- Black Hat Hacker
- White Hat Hacker
- Stages of Cyber Attacks

### Understanding Networking Essentials

- OSI Overview
- Understanding Three way handshake

### Network Security Essentials In Relationship to OSI

- Methods of Securing Network
- Packet Filtering
- Proxy
- Intrusion Detection
- State full Inspection
- VPN Technology Concepts
- Wireless security

### Cyber Attack In Theory

- Eaves Dropping & Snooping Attack
- Layer Defense Technology
- Network Reconnaissance

- Denial of Service Attack
- Man-In-The-Middle Attack
- Session Hijacking
- Spoofing (DNS & Others)
- Malicious Web site
- Viruses, Worms, and Trojan Horses
- Social Engineering

### Cyber Attack & Defense: In Action

- Hands On Lab Mapping the Network
- Hands On Lab On IP Scanning
- Hands On Lab On Port Scanning
- Hands On Lab On Crack Encrypted Password
- Denial of Service (DEMO)
- Hands On Lab On Mapping the Network
- Malicious web site (DEMO)
- Hands On Lab On Record Keystrokes
- On Getting control over the other system(DEMO)
- Hands On Lab On Trojan Horse program
- Live Demo on Intrusion Detection system
- LIVE DEMO ON WIRELESS WEP Cracking

### Cyber Defense: Border Security Models

- Firewall Deployment Topology CHECK POINT demo
- What Firewall **DON'T** do
- Lab of Cyber Defense
- NEW HONEY POTS

### Security Certification RoadMap



## REGISTRATION AND INFORMATION

[education@ecs.com.sg](mailto:education@ecs.com.sg)

[www.ecs.com.sg/training](http://www.ecs.com.sg/training)

TEL: (65) 6393-4737 (65) 6393-4741 (65) 6393-4743

FAX: (65) 6294-4097

**ECS**  
佳杰科技