



# CYBERSECURITY BY DESIGN

---

Course Duration: 2 days  
Time: 9am – 5.30pm

## Overview

The security environment of today is in an ever-evolving state with enterprises and government organisations at risk of cyber attacks every day. This state of cyber vulnerability calls for an increased emphasis on the implementation of cybersecurity within enterprise infrastructure and systems design. Therefore by establishing our systems with security in mind, we can better ensure security and reliability in our systems while mitigating potential threats and risks.

## Learning Outcomes



Recognise the cybersecurity threat landscape



Illustrate the needs of cyber security architecture



Identify the cybersecurity goals of a system

## Course Structure



Day  
1

- Evolution of Cyber Security Landscape and Core Principles
- Risk and Trust Management
- Data Security, Access Control Principles and Implementations
- Best Practices in Operation Security
- Understanding Cryptography
- Secure Software Development Lifecycle (SDL) Essentials



Day  
2

- Network Access Control and Security Devices
- Network and Application Logs
- Understanding Security Operations and Management
- Hands-on Practical

### Who should attend?

- Project Managers / Leads
- Solution Engineers
- Solution Architects

### Training Venue

80 Jurong East Street 21  
#04-02  
Devan Nair Institute  
Singapore 609607

### Terms and Conditions

ST Electronics (Info-Security) Pte Ltd reserves the right to make amendments to the course agenda and dates without prior notice.

### Contact Us

Email: [cyber.academy@stengg.com](mailto:cyber.academy@stengg.com)  
Tel: +(65) 6513 9535

### ST Engineering Electronics Ltd.

[www.stengg.com](http://www.stengg.com)  
[mktg.infosec@stengg.com](mailto:mktg.infosec@stengg.com)