



# Cybersecurity Primer

## Course Objectives

Organisations face cyber threats of increasing sophistication which can have a significant impact on their business operations, customer relations and revenue. In this context, various laws may require organisation to take measures to protect their computer systems and the information stored in such systems store. To get a good grasp of these threats, common vulnerabilities, as well as typical mistakes made by development teams, which are exploited in a typical cyberattack, this course provides a comprehensive overview of typical cybersecurity issues, key local and international cybersecurity and data protection guidelines and best practices, and also international standards, frameworks, and approaches to cybersecurity. This course is geared towards managers and compliance officers, who are responsible for data protection and system development, but is also relevant to engineers with no security training.

Participants who are interested in legal and compliance requirements relating to cybersecurity may also wish to attend our course [Cybercrime and Cybersecurity Law: Complying with Legal Requirements](#).

## Who should attend?

- Privacy Engineers / Technical staff / Developers / Data Analysts / Project Managers / Data Architects
- Data Protection Officers (DPOs) / Compliance Professionals / In-house counsels
- Executives and staff involved in the use, management, and protection of an organisation's information and data

## Course Details

Course Code: CS402

Course Title: Cybersecurity Primer

Course Duration: Half day (approximately 4 contact hours)

Venue: Drew & Napier LLC

10 Collyer Quay, 10th Floor Ocean Financial Centre

Singapore 049315

Course Fee: S\$300.00 (excluding GST)

To view available dates and register for this course, please click [here](#). You may also register for this course and view all available courses on our course schedule page ([www.drewnapier.com/Academy/Course-Schedule](http://www.drewnapier.com/Academy/Course-Schedule)).





## Course Outline

- **Common Cybersecurity Issues**
  - Security incidents versus data breach incidents
  - Implementation causes / failures
  - Cloud based and off-the shelf services
  - Human factors and Testing
- **Local Guidelines on Cybersecurity Best Practices**
  - Overview on PDPC's technical Guides
  - Overview on technical aspects of other regulators in Singapore
- **International Standards and Frameworks relating to Cybersecurity**
  - ISO/IEC 27000 family of standards
  - OWASP, Common Criteria, NIST Framework, and others

## Course Leader & Facilitator



**Albert Pichlmaier** is Senior Learning Technology Designer with Drew Academy and concurrently Senior Cybersecurity & Privacy Engineer with Drew & Napier's Data Protection, Privacy & Cybersecurity practice. He holds a degree in Computer Science from a German tertiary institution. He is a Certified Information Systems Security Professional (CISSP), a Certified Data Privacy Solutions Engineer (CDPSE), a holder of the Singapore WSQ Advanced Certificate in Learning and Performance (ACLP), and a certified Blockchain Developer. Albert is credited as an inventor of two patents granted in Germany and other countries. His technical expertise provides Drew & Napier and our clients with a wide-ranging perspective on matters involving Cybersecurity, Cryptography, Quantum Computing, Artificial Intelligence / Machine Learning, Blockchain Development, Data Analytics, Big Data, and Data Visualisation, amongst others. For the courses and webinars under the Drew Academy, he draws from this pool of knowledge and experience to explain technical content to non-technical audiences, develop proof-of-concept and learning tools, and engage with experts on finer details.

Albert was formerly an Executive Manager with the Personal Data Protection Commission (PDPC), where he was involved in technology assessments for data breach investigations, research into trending / disruptive technologies and advising on technical aspects of various PDPC guidelines and publications (amongst other matters). Prior to his role with the PDPC, Albert worked in several technology-related roles with Infocomm Development Authority of Singapore (IDA) and various companies in Germany, Spain and Singapore including as Vice President of research and development, lead testware engineer and software engineer. He was also a technopreneur, having set up a company to provide testing tools for embedded systems and smartcard applications.