



2022 Cybersecurity Master Class

Given the real-world security challenges across the African continent, data protection, privacy and cybersecurity legislative frameworks are under development requiring cybersecurity governance compliance. The emerging Cybersecurity legislative framework in South Africa demands a high level of knowledge of the Cybersecurity domain within organisations, both public and private.

Cybersecurity is the practice of making the networks that constitute cyberspace secure against intrusions, maintaining confidentiality, availability and integrity of information, detecting intrusions and incidents that do occur, and responding to and recovering from them. The cybersecurity domain encompasses technologies, policies, procedures, practices and culture, designed to protect organisations enterprise communications, systems and assets from both internal and external threats. Threats and attacks are becoming more dynamic and complex and detecting and attributing attacks and threats to malicious actors are a major challenge to cybersecurity experts. This complex global problem requires a proactive, holistic and flexible approach to cybersecurity that addresses strategy, operations and the budgets, for the protection of the enterprise information assets.

The cybersecurity mandate may fall under various roles within an organisation including the Chief Information Security Officer, the Chief Risk Officer and even the Chief Information Officer. The role will therefore require a higher level of knowledge of the broader cybersecurity domain.

The LINK Centre and the Joburg Centre for Software Engineering (JCSE) successfully launched the Cybersecurity Professional Practice and Leadership (CPPL) program in 2019, which is an interdisciplinary course, focusing on security technologies, digital innovation, national policy, standards, law and regulation. The course incorporates elements relevant to creating a culture of cybersecurity awareness and resilience. The course also focuses on developing relevant strategic responses to the security challenges posed to the digital communications ecosystem. Specifically designed to build the foundational analytical skills for the CISO in this emerging field, this course is a must for any organisation.

The Cybersecurity Master Class, aimed at Executive and Senior management, provides all of the knowledge of the CPPL program without the requirement for formal assessments.

Duration: Four Days, 2.5 hours per day, 3pm-5:30pm

Dates: 01–04 August 2022

Course delivery mode: hybrid (choice of virtual or in-person attendance)

The daily sessions are divided as follows:

15:00-15:05 Introduction

15:05-15:45 Plenary session

Lecture by topic leader, Q&A session

15:50-16:30 Break-away into groups (minimum three groups of at least four people)

Group discussions led by separate group leaders

Discussions will focus on compulsory reading provided and/or main research question related to this module

16:30-17:30 Plenary session

Individual group inputs, Q&A

Price: R 10, 000 Excl. VAT

DATE	MODULE	DESCRIPTION
01 August 2022 3pm-5:30pm	Session 1: Introduction to the Cybersecurity domain	This session lays the knowledge foundations by identifying the structural components of cyberspace, its basic architecture and the rudiments of cybersecurity.
02 August 2022 3pm-5:30pm	Session 2: Policy, legislative, regulatory and institutional frameworks underpinning the cybersecurity domain	This session introduces the key national cybersecurity challenges, emerging legislative frameworks, stakeholders, legal responsibilities and functional responsibilities; regional & global frameworks; national and sector-CSIRTs; National cybersecurity plans.
03 August 2022 3pm-5:30pm	Session 3: Emerging cybersecurity technology trends and future-proofing organisations	This session focuses on the role of management and leadership in mitigating threat and achieving organisational goals in information protection, essentially Cybersecurity management within an organisational context
04 August 2022 3pm-5:30pm	Session 4: Cybersecurity strategies, training and certifications	This module focuses on the emerging technical and management issues in the cyber domain and the emerging role of the CISO and includes the human element like training and certifications. The module delves into emerging technologies and vulnerabilities (AI, driverless cars, drones, health devices, IoT).