

IT Strategic Management 732

1. Overview

This programme prepares students to manage and govern information technology resources within strategic business contexts. Participants explore IT security governance frameworks, IT organization management, governance structures and decision rights, IT sourcing strategies, project management methodologies, and business intelligence and analytics. The programme develops practical skills for IT managers, security professionals, and business leaders responsible for IT governance, investment decisions, and strategic alignment.

2. Learning Outcome:

- Apply the NIST Cybersecurity Framework for organizational security, implement IT security governance frameworks, analyze cyberattacks and their occurrence patterns, evaluate the impossibility of 100% security and its management implications, develop management strategies for security risk mitigation, and implement security measurement approaches for organizational assessment
- Apply maturity models for organizing IT responses to business needs, analyze IT organizational structures and functions, identify capabilities and limitations of IT organizations, explain the role of Chief Information Officer in strategic leadership, develop business cases for IT investments, implement IT portfolio management strategies, apply valuation methods for IT investments, monitor IT investment performance, manage IT funding resources, and analyze IT cost structures
- Implement IT governance frameworks and principles, evaluate centralised versus decentralized organizational structures, apply decision rights frameworks for governance, implement platform-based governance approaches, and utilise governance frameworks for control decisions
- Apply sourcing decision cycle frameworks for IT services, evaluate outsourcing strategies within broader organisational contexts, and make strategic sourcing decisions for IT resources
- Define project characteristics and apply project management principles, identify project elements including scope, time, cost, and quality, analyse IT project-specific considerations, implement IT project development methodologies including Agile and traditional approaches, manage IT project risks through identification and mitigation strategies, and evaluate project success using appropriate metrics
- Apply business analytics for competitive advantage, distinguish between knowledge management, business intelligence, and business analytics, implement components of business analytics, including data warehousing, reporting, and predictive analytics, evaluate big data technologies and applications, and address challenges in managing knowledge and business intelligence initiatives

Qualification:	Certificate of Competence
Duration:	4-Months
Programme Type:	Category B – Workplace-Based Learning Programme
Programme ID:	PA0583
NQF Level:	7
Credits:	15
Contact Days:	Three (3) facilitated online workshops (recordings available)
Prerequisites:	Grade 12 Qualification or NQF Level 4 equivalent
Training Options:	Online Learning: Please contact our Sales team to confirm the next available intake date for this programme.
Minimum Learner Required:	(1) Online

3. Topics

IT Security Governance & Cybersecurity

- NIST Cybersecurity Framework
- IT security governance frameworks
- Cyberattack analysis and patterns
- Security risk management
- Security measurement and assessment
- Managing the limitations of achieving 100% security

IT Organisation & Strategic Management

- IT organisational structures and functions
- IT maturity models
- Role of the Chief Information Officer (CIO)
- IT capabilities and limitations
- Strategic alignment of IT with business needs

IT Investment & Portfolio Management

- Developing business cases for IT investments
- IT portfolio management
- IT investment valuation methods
- Monitoring IT investment performance
- IT funding and resource management
- IT cost structures

We trust that the above is in order and look forward to hearing from you for Implementation

IT Governance & Decision-Making

- IT governance frameworks and principles
- Centralised vs decentralised IT structures
- Governance decision rights
- Platform-based governance
- IT control decisions

IT Sourcing & Outsourcing Strategies

- IT sourcing decision frameworks
- Outsourcing strategies
- Strategic sourcing decisions
- Evaluation of internal vs external IT services
- Aligning sourcing decisions with organisational strategy

IT Project Management

- Project characteristics and principles
- Scope, time, cost and quality management
- IT-specific project considerations
- Agile project management
- Traditional project management methodologies
- IT project risk identification and mitigation
- Project success metrics and evaluation

Business Intelligence & Analytics

- Business analytics for competitive advantage
- Knowledge management
- Business Intelligence (BI)
- Business analytics
- Data warehousing
- Reporting and analytics
- Predictive analytics
- Big Data technologies and applications
- Managing knowledge and BI initiatives

4. Workplace-Based Learning Programme

This WLP is a fusion of academic learning and practical work. The learning is directly applied to the workplace by using client-based mentors and extensive workplace-based portfolio work and assignments. Apart from the obvious benefits of a workplace directed qualification, each WLP qualifies for recognition as a Category B Skills Programme in the Learning Matrix of the Amended BEE codes, which allows for the salaries of participants to be recognized as part of the Skills Development Expenditure.

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