



# SABSA® ADVANCED A3: ARCHITECTURE & DESIGN

**DURATION: 5 DAYS**



**CYBER  
SECURITY**

The SABSA A3 Course is an advanced 5 day program for those who already have SABSA knowledge and understanding through having been certified at SABSA Foundation Level. Those who have also gained field experience of using their Foundation Level training in a work situation will benefit most from attendance at a SABSA Advanced course.

The emphasis of A3 is very much on group discussions, personal research and practical workshops, rather than on teaching new SABSA materials, although this course does take the F1/F2 content to a greater degree of depth within the scope of Architecture and Design. The course is NOT a technology course, but a course in how to apply SABSA processes to the development of architectures and designs for business solutions. Some of the case studies for workshops suggest certain technology deployments but the focus is not on learning about these technologies.

## WHO SHOULD ATTEND

### Pre-Requisites:

The SABSA Foundation certificate is a pre-requisite for the SABSA Advanced modules. Participants usually include:

- SABSA Chartered Practitioner Candidates
- SABSA Chartered Master Architect (SCM) Candidates
- Any professional seeking to develop practical advanced competency to integrate and align Security & Risk with Enterprise Architecture Frameworks & Standards.

## LEARNING OUTCOMES

**Benefits in attending this Advanced SABSA course:**

- Experience in applying the SABSA Development Process to their specific organisation, sector and culture including providing security solutions to today's burning issues and 'hot topic' areas.
- The skills and competence to plan, design, implement and manage a SABSA Architecture and its through-life processes.
- Customised strategies and detailed work-products to apply the SABSA Development Process at Enterprise or Solutions level, and throughout the business lifecycle.
- Customised approaches, techniques & models to integrate and align security architecture with the requirements of existing Enterprise & IT Architecture methods, standards and frameworks.
- A practical SABSA-based approach to providing secure information services that are aligned with the needs of the business.

**GET AHEAD OF THE GAME  
GET CERTIFIED**

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## COURSE CONTENTS

### SABSA AS A PROBLEM SOLVING FRAMEWORK

- Evolution of Architecture & Strategy
- Change: Legacy & Future-Proof
- A Structured Thought Process for Dealing with Any Problem

### STAKEHOLDER VALUE PROPOSITIONS

- Real-world Buy-in & Support
- Cultural Shift
- Customising Value Propositions

### FRAMEWORK ALIGNMENT

- Lifecycle & Scope issues
- Greenfield Site or Alignment & Integration with Existing Investments

### ADVANCED ATTRIBUTES PROFILING (1)

- Attributes as Risk Appetite Thresholds
- Risk Responsibility Delegations
- Attributes in Domains
- Multi-tiered Attributes – Organisation Domains
- Inheritance & Aggregation
- Process Engineering & Vertical Systemic Interactions
- Compound Interactions in Hyper-connectivity
- Approaches to Conceptualising Requirements

### ADVANCED ATTRIBUTES PROFILING (2)

- Creating strong password, Multifactor authentication. Keeping software up to date, Avoiding risky online behavior

### TRACEABILITY CONCEPT

- Traceability for Completeness & Justification
- The Traceability Layer-Map
- Traceable Capability

### LOGICAL LAYER ENGINEERING

- Top-Down Systems & Process Analysis
- Security Relationship of Systems & Processes
- Relationship with Business Assets
- Logical Domains, Information Flows & Transformations
- Logical Security Services & Trust Modelling

### PHYSICAL LAYER ENGINEERING

- Physical Architecture & Relationship with Logical Entities
- Physical Domains, Data Exchanges & System Interactions
- Physical Security Mechanisms
- Security Processing Cycle & The Finite State Machine Model

### ENGINEERING THE MULTI-TIER CONTROL STRATEGY

- Defence-in-Depth Layering
- Capability-Based Layering
- SABSA Multi-Tiered Control Strategy
- Multi-Tiered Control Strategy in Risk Management
- Strength-in-Depth Capability Engineering

### ADAPTING THE SABSA PROCESS

- Adapting the SABSA Process – Fit-for-Purpose Process Design

### FULL REQUIREMENTS-TO- SOLUTIONS TRACEABILITY

- Detailed Application of the Traceability Layer-Map

### SABSA FOR EVALUATING STANDARDS & SOLUTIONS

- Applying SABSA to Evaluate & Address Real-World Short-Comings In Standards & Solution