

## Iasa Architecture Core (CITA-F)

Length : 4 Days  
Delivery Method : Instructor-led (Classroom)

### Course Overview

Thousands of professionals of all backgrounds take in this course every year. The materials covered are based on Iasa's IT Architecture Body of Knowledge (ITABoK). The ITABoK is a public archive of IT Architecture best practices, skills and knowledge developed from the experience of individual and corporate members of Iasa, the world's largest association of IT Architecture professionals.

From the lecture, participants learn to apply skills from the five pillars of ITABoK, distinguish the concepts, principles, contexts, roles and scope of architecture, and recognize IT's business values.

In as many as 22 action-packed classroom workshops, participants work in groups on real-world case studies and present their results for critique by the instructors and their peers; in the process learn the practical skills of setting up an Enterprise Architecture Office (EAO), selecting and prioritising IT projects, assigning resources, and creating values to stakeholders.

### Audience Profile

The road to becoming an Enterprise Architect begins with Architecture Core (AC). Current domain IT professionals (software developers, network engineers etc.) with an eye toward future management positions in IT should enrol. Non-IT professionals would take this course to work more effectively with enterprise architects.

The above include:

- All Technology Stakeholders.
- Transformation Office Team Members.
- Project Management Office (PMO) Team Members.
- Software/ Business/ Information/ Infrastructure Architects.
- IT/ Project Managers.
- Business Analysts/ System Analysts/Consultants.
- Software Engineers/ Programmers.
- Database Administrators/ Database Designers.
- System Engineers/ Network Engineer.

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## Objectives

The participant, upon passing the exam, will earn the recognition of Iasa Foundation Certified (IFC). It is the first step in the Iasa certification path—up next is the Associate level.

Become an Enterprise Architect with the knowhow to:

- Apply ITABoK skill sets to the creation of technology strategic values for the business with tangible IT Architecture return on investment (ITA-ROI) modelling technique.
- Apply the five core IT architecture skills from an IT Architecture perspective.
- Select and prioritise IT Architecture projects based on business cases.
- Create and review business cases based on tangible and intangible values.
- Assign projects to IT Architects based on IT prioritisation techniques.
- Create IT Architecture blueprint for both generic and specific IT Architecture based on views and viewpoints that address stakeholder's concerns.
- Manage IT Architecture deliverables through stakeholder's communication technique.
- Manage IT Architecture life cycle processes.

## Course Outline:

### Module 1: IT Architecture & IT Architects

#### Lessons:

- How IASA has identified the foundational pillars that supports IT Architecture.
- What is the difference between IT Architecture and IT Architect?
- What are the values of IT Architecture?
- Workshop 1 – Presenting & justifying IT Architecture for the business.

### Module 2: Design Skills

#### Lessons:

- Designing from an IT Architecture perspective.
- Design definition and implications.
- Design skills in detail.
- Workshop 2 – Addressing and applying design skills.

### Module 3: IT Environment Skills

#### Lessons:

- The importance of IT environment skills.
- IT environment skills in detail.

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- Workshop 3 – Leveraging and applying IT environment skills.

#### **Module 4: Quality Attributes Skills**

##### **Lessons:**

- The importance of quality attributes in IT Architecture skills.
- Quality attributes skills in detail.
- Workshop 4 – Applying, optimizing, and presenting quality attributes trade-off analysis.

#### **Module 5: Business Technology Strategy Skills**

##### **Lessons:**

- Business technology strategy skills definition.
- Business technology strategy skills in detail.
- Workshop 5 – Developing and presenting technology strategy for the business

#### **Module 6: Human Dynamic Skills**

##### **Lessons:**

- The importance of human dynamic skills.
- Human dynamics skills in detail.
- Workshop 6 – Mastering and applying human dynamics skills in IT.

#### **Module 7: IT Architecture Project Selection**

##### **Lessons:**

- IT Architect engagement model expanded.
- IT Architecture business cases.
- Workshop 7 – i) Reviewing business cases from an IT Architecture viewpoint ii) Creating a sound business case.
- Workshop 8 – i) Creating values for a business case ii) Calculating and communicating values.
- Workshop 9 – i) Calculating and communicating values for a business case ii) Prioritizing IT projects based on IT Architecture principles.
- Workshop 10 – i) Prioritizing and selecting IT projects ii) Assigning individual roles to the IT Architecture team.
- Workshop 11 – Creating and assigning roles to an IT Architecture team.

#### **Module 8: IT Architecture Blueprint Creation**

##### **Lessons:**

- Capturing and analysing requirements.
- Workshop 12 – i) Scoping requirements & identifying constraints ii) Generic IT Architecture overview.

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- Workshop 13 – i) Creating a generic IT Architecture blueprint ii) Product specific IT Architecture overview.
- Workshop 14 – i) Creating and analysing product-specific IT Architecture Create views and viewpoints.
- Workshop 15 – Understanding and developing views and viewpoints of IT Architecture.

### **Module 9: IT Architecture Delivery**

#### **Lessons:**

- Creating communication channels with stakeholders.
- Workshop 16 – i) Communicating and managing stakeholders ii) Modifying and updating IT Architecture artifacts.
- Workshop 17 – i) Modifying and updating IT Architecture artifacts based on stakeholders value input ii) Managing and delivering IT Architecture overview.
- Workshop 18 – Managing IT Architecture delivery.

### **Module 10: IT Architecture Management**

#### **Lessons:**

- Reviewing and analysing values.
- Workshop 19 – i) Reviewing and analysing values across IT projects ii) Setting IT Architecture goals.
- Workshop 20 – i) Setting and defining IT Architecture goals ii) Updating the IT Architecture engagement model.
- Workshop 21 – i) Reviewing and updating the engagement model ii) Communicating technology values to stakeholders.
- Workshop 22 – Communicating and presenting values to the stakeholders.

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