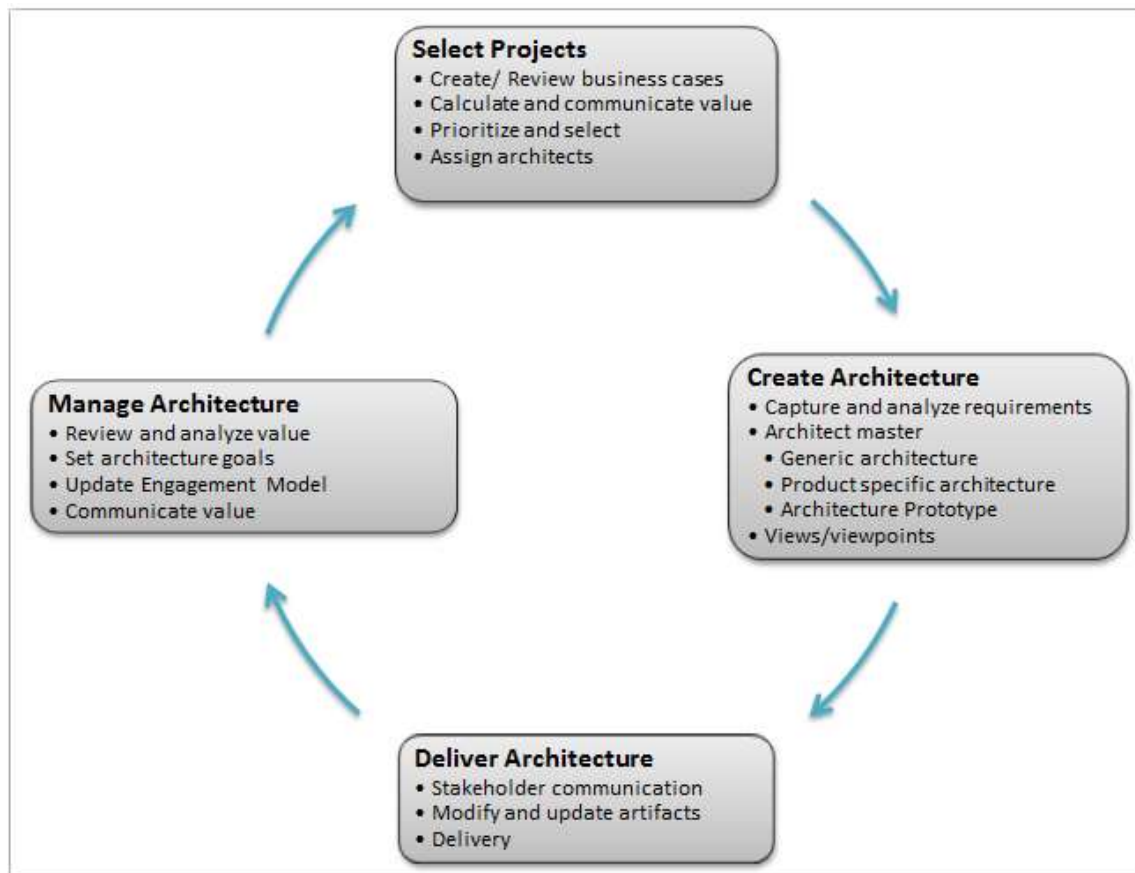# Foundation Coursework

Architect Core

Course Pre-work

The Iasa IT Architect Body of Knowledge (ITABoK) is included in this course. The ITABoK is deployed as online self-paced material which takes 8-10 hours to complete. Access is given upon registration via our Learning Management System, Docebo.

Certification Information

The Certified IT Architect - Foundation (CITA-F) credential is awarded to those who qualify based on a combination of criteria including education, experience and test-based examination of professional knowledge of architectural skills and management. The Iasa Architect Core Training Program prepares architects for this rigorous assessment. Developing your skills as an architect is difficult without a clear pathway and defined baseline. The CITA-F demonstrates that you are on this path and that you are taking the necessary steps to become a fully qualified architect.

Skills Developed

Select Projects
- Create/ Review business cases
- Calculate and communicate value
- Prioritize and select
- Assign architects

Create Architecture
- Capture and analyze requirements
- Architect master
  - Generic architecture
  - Product specific architecture
  - Architecture Prototype
- Views/viewpoints

Manage Architecture
- Review and analyze value
- Set architecture goals
- Update Engagement Model
- Communicate value

Deliver Architecture
- Stakeholder communication
- Modify and update artifacts
- Delivery

Syllabus

Part 1 – The IASA IT Body of Knowledge (ITaBoK). This course will introduce you and your team to the most important elements and skills in IT architecture.

IT Architecture Body of Knowledge (ITABoK)

Pillar 1: **Business Technology Strategy** - Identified by Iasa members and global thought leaders as the core value proposition of any architect and the key set of skills in our profession, business technology strategy ensures immediate business value from technology strategy. It ensures that your organization will succeed in converting technology and IT from a liability to an asset.

Pillar 2: **IT Environment** - Technology strategy must include a general knowledge of the IT space including application development, operations, infrastructure, data/information management, quality assurance, and project management. The IT Environment skills prepare an architect for the IT side of a technology strategist's job function.

Pillar 3: **Quality Attributes** - Quality Attributes represent cross-cutting concerns in technology solutions such as performance, security, manageability, etc. that must be considered across the entire enterprise technology strategy space.

Pillar 4: **Human Dynamics** – A majority of an architect's daily role is working with other stakeholders to understand and define the technology strategy of the organization. The human dynamics skills represent the means for working with others in the organization including situational awareness, politics, communication and leadership.

Pillar 5: **System Design** - Architects commonly use design skills to create solutions to problems identified in developing technology strategy solutions.

Part 2 – Onsite/Online Instructor Led

Iasa created the Architect Core coursework and CITA-F (Iasa Foundation Certification) to fill 3 main needs in the Architecture Workforce:

1. To level-set architects of all levels, and create a common understanding of skills and terminology across the profession
2. To help architects immediately grow their skills in architecture practice
3. Give architects the fundamental skills and awareness of the IT Architecture Body of Knowledge to help them be more effective in their daily role.

The course is focused on a fictitious company Tinkleman Wholesale; the attendees work through a year in the life of Tinkleman examining and developing strategy, selecting and prioritizing initiatives, developing and delivering architecture along with managing the architecture and the architect team.

Introduction Module 0:
- Challenges Architect's Face
- IASA & the IASA Proposition

Foundation Core Review – Module 1
- Lesson – Foundation Pillars Review
- Tinkleman Case Study Review

Module 2: Engagement Model & Architecture Practice
- Lesson - Architecture Process & The Architect's Engagement Model
- Lesson & Workshop – Architecture Process
- Lesson & Workshop – Case Study Review

Module 3: Project Selection
- Lesson & Workshop – Reviewing the Business Case (Business Model Canvas)
- Lesson & Workshop – Validate the Numbers
- Lesson & Workshop – Create the Business Case
- Lesson & Workshop – Calculate Value
- Lesson & Workshop – Prioritize/Select Projects

Module 4: Create Architecture
- Lesson & Workshop – Analyze Architecture Requirements
- Lesson & Workshop – General Architecture
- Lesson & Workshop – Product Specific Architecture
- Lesson & Workshop – Views, Viewpoints & Perspectives

Module 5: Deliver Architecture
- Lesson & Workshop – Stakeholder Communication
- Lesson & Workshop – Modify & Update Artifacts
- Lesson & Workshop – Manage Delivery

Module 6: Manage Architecture
- Lesson & Workshop – Reviewing and Analyzing Value across Projects
- Lesson & Workshop – Setting Goals for the Architecture Team
- Lesson & Workshop – Updating Architect's Engagement Model
- Lesson & Workshop – Collecting and Communicating Architectural Value