

Training Course Content

IREB Certified Professional for Requirement Engineering

Duration : 3 days

Languages : EN & FR

The Foundation Level addresses the advanced beginner in Requirements Engineering and provides the core knowledge of this topic. The Foundation Level encompasses the elicitation of requirements with appropriate documentation, requirements verification and validation as well as their management throughout the end-to-end product life cycle.

Learning Objectives

The goal of this course is to provide a full understanding of the fundamental principles of requirements engineering and to enhance the knowledge and practical experience in the domains of requirements engineering and requirements management. Each participant will be faced with the following specific targets:

- Getting familiar with the terminology of Requirements Engineering/Business Analysis and Requirements Management.
- Improvement of both requirements engineering and requirements management within the project and within the organization.
- Getting familiar with the current international standards and the industry's best practices.
- Preparation for the official exam at the end of the third day.

Pre-requisites

Have a professional experience in a technical project or a design office (> 1 year). There are no prerequisites to applying for the Foundation Level Exam.

Audience

Everyone working with Requirements Engineering, Business Analysis, software and systems development, who is demanding in terms of quality and professionalism, should strive for it.

Trainer skills

Our experts who run our training courses or those we organize with a partner are specialists in the subjects covered. They are validated by our internal teams, both in terms of business knowledge and pedagogy, for each course they teach. They have at least five to ten years of experience in their field and hold or have held positions covering business topics.

Course Content

1. **Introduction and Foundations**
2. **Define the perimeter and context of the system**
 - Define the context of the system and its limits
 - Define the perimeter of the system and its limits
3. **Requirements elicitation**
 - Requirements sources
 - Requirements categorization according to the Kano model
 - Elicitation techniques
4. **Requirements documentation**
 - Document design
 - Documentation types
 - Document structures
 - Use of requirements documents
 - Quality criteria for the requirements documents
5. **Documentation of requirements using natural language**
 - Language effects
 - Requirements construction using templates
6. **Model based documentation of requirements**
 - The term "Model"
 - Goal Models
 - Use cases
 - Three perspectives on requirements
 - Requirements modeling in the data perspective
 - Requirements modeling in the functional perspective
7. **Requirements validation and negotiation**
 - Fundamentals of requirements validation
 - Fundamentals of requirements negotiation
 - Quality aspects for requirements
 - Principles of requirements validation
 - Techniques for requirements validation
 - Requirements negotiation
8. **Requirements management**
 - Assigning attributes to requirements
 - Views on requirements
 - Prioritizing requirements
 - Requirements traceability
 - Versioning of requirements
 - Management of requirements changes
 - Measurement for requirement
9. **Tool support**
 - Tips of tools
 - Introducing tools
 - Evaluating tools
10. **Exam preparation**
 - Tips
 - Practices examination