

## IREB CPRE Foundation, requirements engineering, Certified Professional for Requirements Engineering certification



MR-181 3 Days (21 Hours)

### Description

Requirements engineering is fundamental in projects. It helps clarify and validate needs, ensuring that what is provided is what was needed to be achieved. This training provides you with all the necessary knowledge on the IREB standard and prepares you for Foundation certification.

### Who is this training for ?

#### For whom

IT engineers, IT managers, IT managers, project managers, project managers, method managers, product managers or marketing managers.

#### Prerequisites

Aucune

### Training objectives

- Know the fundamental concepts of requirements engineering
- Understand requirements engineering practices
- Pass the Foundation IREB® Certified Professional for Requirements Engineering certification

### Training program

#### Introduction et fondamentaux

- General presentation.
- The interest of requirements engineering.
- The basic concepts.

#### Définir le périmètre et le contexte du système

- Define the context of the system and its limits.
- Define the perimeter of the system and its limits.

### Elucider les exigences

- The sources of requirements.
- The categorization of requirements according to the Kano model.
- The elucidation techniques.

### Documenter les exigences

- The different documentary forms.
- The different types of documents.
- The structure of documents.
- The use of documents requirements.
- The quality criteria of the requirements document.
- The quality criteria of the requirements.
- The notion of a glossary.

### Documenter les exigences en langage naturel, par les modèles

- The effect of natural language.
- Writing requirements using a template.
- Models in general, goal models , use case models.
- The three perspectives on requirements.
- Requirements modeling in the structural perspective.
- Requirements modeling from the functional perspective.
- Requirements modeling from the behavioral perspective.

### Valider et négocier les exigences

- The fundamentals of requirements validation.
- The fundamentals of requirements negotiation.
- The facets of requirements quality.
- The principles of requirements validation.
- Requirements validation techniques.
- How to negotiate requirements.

### Gérer et outiller les exigences

- The characterization of requirements with attributes.
- The different views on requirements.
- The prioritization of requirements.
- The traceability of requirements.
- Requirements versioning.
- Managing requirements changes.
- The different types of tools.
- The implementation and evaluation of a tool.

## Examen CPRE Fondamental

- Tips for the exam.
- Mock exam with commented correction.
- Mock test.
- Taking the exam .