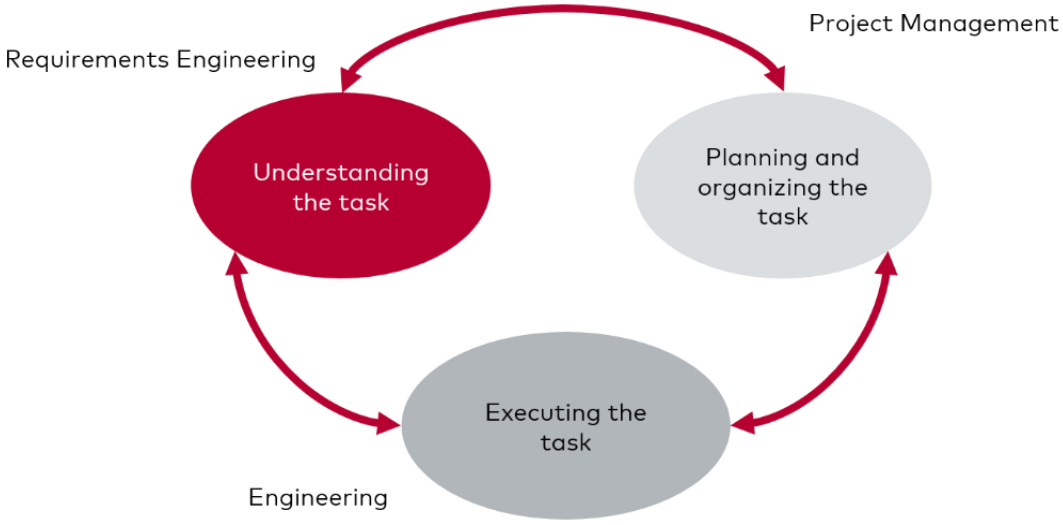
IREB® CPRE International Certified Professional for Requirements Engineering - Foundation Level (paid)

Agenda VectorAcademy

Delivery Format:	Online/Offline
Duration:	3 days (incl. IREB examination)
Target Group:	Targeted at professionals engaged in requirements, project, product, software and system, quality, and related requirements definition and management.
Goal:	Provides systematic training on the core methods and practices of requirements engineering to help participants effectively apply the knowledge in real projects.

1. Training Content

- Concepts of requirements engineering (objectives, overview and methodology, concepts, industrial benchmarks, benefits and ROI)
- Understanding requirements engineering for different application areas, e.g., automotive, IT and product development
- Eliciting requirements (viewpoints and stakeholders in the project, integration of customers, methods for requirements elicitation, collaboration with Marketing and Sales)
- Documenting and validating requirements (specifications, notations, templates and checklists, good quality requirements)
- Analysing and modeling requirements (impact analysis, UML and SysML modeling, estimation methods for effort and time)
- Negotiating requirements (prioritization of requirements, project planning content and releases)
- Managing requirements (requirements Engineering in the project, tracking requirements, test coverage, change management)
- Concrete implementation and best practices (Vector experiences and guidance for improving your own requirements engineering, tool support)
- Practical questions of the participants



IREB® CPRE International Certified Professional for Requirements Engineering - Foundation Level (paid)

Agenda VectorAcademy

2. Training Agenda

Day 1	Day 2	Day 3:
• Introduction, motivation and concept • Requirements Engineering activities: Elicitation • Requirements Engineering activities: Documentation	• Requirements Engineering activities: Modelling, Analysis • Requirements Engineering activities: Validation, Negotiation, Management • Homework: IREB Mock Exam	• Requirements Engineering tools and case studies • Walkthrough/Discussion of IREB Mock Exam • Recap, concluding discussion, exam preparation • IREB Examination

3. Training Overview

Requirements engineering is the key for successful projects. Our three-day training provides the relevant know-how together with many practical examples from our industry projects. The training is based on the **IREB Certified Professional for Requirements Engineering, Foundation Level**. We offer the optional IREB certification on the last day as part of the training.

In our consulting projects we get many questions that are not covered in companies and certainly not alone by tools, such as DOORS or PREEvision. These questions include:

- How to handle requirements in agile development and map to traceable increments?
- How to efficiently achieve testability and coverage of requirements to satisfy legal demands?
- How to systematically identify requirements and efficiently document them?
- How to fill not so obvious gaps in specs?

Such questions are about process and methodology, which we cover in this training.
Requirements Engineering, IREB CPRE FL - Our first-time pass rate exceeds 80%!

IREB® CPRE International Certified Professional for Requirements Engineering - Foundation Level (paid)

Agenda VectorAcademy

4. Training Goals

- You will receive an overview of methods and practice of requirements engineering.
- You will learn industry techniques for requirements analysis and tracking
- You will get insight into how to systematically develop, document and manage requirements with modern tools and notations.
- You will learn to deal with diverse interfaces and key stakeholders in the requirements arena.
- You will be able to transfer your learning to your everyday projects and thus use the results productively.

