

Course D10027

Requirements Engineering Foundation Level

- Certification course for „Certified Professional for Requirements Engineering - Foundation Level“
- Get to know the basic concepts and methods of requirements engineering
- Learn how to elicit, consolidate, document, test and manage requirements



Description

The course content is based on the international IREB syllabus for the certificate “Certified Professional for Requirements Engineering - Foundation Level”. You will acquire a solid understanding and practical knowledge of the basic concepts and methods of requirements engineering and will learn basics and best practices that apply equally to all domains; e.g. embedded systems, systems critical to security or classic information systems. Great emphasis is placed on applying and practicing widely used methods for the development, documentation and testing of requirements.

At the end of the third day, the certification exam (multiple-choice-test) will be held, which will be conducted by the local certification authority.

This course lays the foundation of knowledge needed for other, more advanced training such as CPRE Advanced Level “Requirements Elicitation and Consolidation” and “Requirements Modeling”.

Goals

Upon completion of this course, you will have gained an understanding of the basic motivation for requirements engineering and its role in the overall context of a project. You will have a sound knowledge of how to elicit, analyse, specify, consolidate, document, test and manage requirements. You will also be familiar with the main methods for each of these activities and with criteria for selecting the best approach for any given project.

Participants

The course is intended for beginners who have already come into contact with software and systems engineering in their work, but who lack basic theoretical knowledge of requirements engineering. Although participants are not required to have a degree in computer science, they should have a basic understanding for software development.

Duration

3 days

Dates and Prices

www.zuhlke.com/D10027

Level

Intermediate

Content

- Basic concepts and principles
- Scope and context
- Requirements elicitation
- Working with stakeholders
- Requirements modeling
- Using UML diagrams
- Requirements documentation
- Testing requirements
- Managing requirements
- Prioritisation techniques
- Traceability between requirements
- Tools overview
- Practical examples and exercises
- Training questions for certification

Language

German (course materials in German)

Organisation

Public course or company course at Zühlke or at the client’s premises.