Course : IREB CPRE Foundation, Requirements Engineering, Certification v2.2

Certified Professional for Requirements Engineering

Practical course - 3d - 21h00 - Ref. PRB

Price : 2770 CHF E.T.

3,9 / 5

BEST | Nouvelle édition

Teaching objectives

At the end of the training, the participant will be able to:

- Master the fundamental concepts of requirements engineering.
- Acquire the chief practices of requirements engineering.
- Master requirement elucidation techniques and requirement specification techniques.
- Take the IREB Foundation Certified Professional for Requirements Engineering certification test.

Certification

The exam is taken in the form of a 40-question multiple-choice test lasting 90 minutes (available in English or French). A minimum score of 65% correct answers is required to pass. The exam is supervised by a GASQ examiner. The certification exam takes place at the end of the training session: for classroom-based sessions, it is taken on paper or on a digital tablet; for virtual classroom sessions, the exam is taken online.

Remote certifications

See the certifier's official documentation for the list of prerequisites for completing the online certification exam.

Practical details

Teaching methods

Lecture and participation with verification that understanding is being attained over time through exercises (MCQs).

Course schedule

PARTICIPANTS

PREREQUISITES

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.
Participants also complete a placement test before and after the course to measure the skills they've developed.

TEACHING AIDS AND TECHNICAL RESOURCES

• The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
• At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
• A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

Registration must be completed 24

1 Introduction and fundamentals

- Requirements engineering: Definition, symptoms, benefits.
- Requirements engineering activities.
- Classifying requirements.

2 Define the scope and context of the system

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

3 Elucidate the requirements

- Sources of requirements.
- Categorizing requirements in accordance with the Kano model.
- Elucidation techniques.

4 Document the requirements

- Different forms of documentation.
- Different types of documents.
- The structure of documents.
- The use of requirement documents.
- Quality criteria of the requirements document.
- Quality criteria of the requirements.
- The notion of a glossary.

5 Document the requirements in natural language, using models

- The effect of natural language.
- Writing requirements using the template.
- Models in general, goal models, use case models.
- Three perspectives about requirements.
- Modeling requirements in the structural perspective.
- Modeling requirements in the functional perspective.
- Modeling requirements in the behavioral perspective.

6 Validate and negotiate the requirements

- Fundamentals of validating requirements.
- Fundamentals of negotiating requirements.
- Quality aspects of the requirements.
- Principles of validating requirements.
- Techniques for validating requirements.
- How do you negotiate requirements?

7 Manage and equip the requirements

- Characterizing requirements with attributes.
- Different views about requirements.
- Prioritizing requirements.
- Requirement traceability.
- Versioning requirements and managing requirement changes.
- Measuring the activity of requirements engineering: indicators.
- Different types of tools.
- Setting up and evaluating a tool.

hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

8 CPRE Foundation exam

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

Dates and locations

REMOTE CLASS
2026 : 20 Apr., 20 May, 20 May, 15 June, 28 Sep., 28 Sep., 21 Oct., 18 Nov., 16 Dec., 16 Dec.