

Siemens Mechatronic Systems Instructor Certification: Level 3 (US-SMSCP3A)

Type

Instructor-led Learning

Duration and Continuing Education Units (CEU)

10 Days
0 CEUs

Target Group

- Instructor

Short Description

This course is exclusively for educators interested in developing teaching skills on Siemens automation technologies. Teaching staff from public, not for profit schools including Technical High Schools, Community Colleges, Technical Schools, Universities and Trade Schools are welcome to apply and register.

This course covers the application of Systems Approach to the content topics of the two inter-related Level 3 courses: Project and Process management and an Engineering Mechatronic System Project. In this course you will work with standard project management tools. After successfully completing this course, participants will be certified as a Siemens Mechatronic Systems Certified Instructor for Level 3.

Objectives

- After successfully completing this course, participants will be certified as a Siemens Mechatronic Systems Certified Instructor for Level 3
- This Instructor Certification is based on a Train-the-Trainer model: during this course you will apply the didactic teaching methods from the SAPW course to two courses that you can integrate and teach to students at your educational institution or employees at a training center

Content

- System Approach paradigm and course-specific didactic training in Project and Process management and a Mechatronic System Project
- Overview of job profile for Level 3 (Professional, Engineer)
- Review course syllabi
- Development Project, i.e. Conveyor System and Heat Test System
- Introduction to Project Management
- Project workbook content and design
- Requirements Analysis with user stories and customer wishes
- Project monitoring and control
- Customer acceptance test
- Customer and supplier project step clarification, according to the V-Model
- Product life cycle overview
- Sample question review for Siemens student examination
- Implementation workshop for implementation of SMSCP locally

Mandatory Prerequisites

[Siemens Mechatronic Systems Instructor Certification: Level 1: US-SMSCP1A](#) AND [Siemens Mechatronic Systems Instructor Certification: Level 2: US-SMSCP2A](#)

Note

Level 3 focuses on training skilled designers of and experts on complex mechatronic systems, with the application of selected project, product and system engineering practices, such as requirements engineering, project management, process management, quality assurance, and management. These competencies are incorporated and applied to a project, the design of a new system or the improvement of an existing system, to meet a customer's needs. The objective is to train an Engineer as a beneficial project member.

Language

English

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