

SIX SIGMA SPECIALIST (GREEN BELT)

JOB PROFILE



Six Sigma Specialists (Green Belt) can successfully, profitably and sustainably establish Six Sigma as a method in companies and are able to implement improvement projects in practice. They make processes and process performance measurable in the context of improvement projects, achieve a profound understanding of the processes and on basis of this knowledge implement sustainable and effective improvements.



This course is designed to give participants an overview of the requirements necessary for successful implementation of Six Sigma in a company and to put improvement projects into practice.

PREREQUISITES

Experience in dealing with management systems

TARGET GROUP

Quality Engineers, Production Managers, Process Managers and persons responsible for change in the context of quality engineering

CONTENTS

- Transparent cost savings and improved process capabilities through increased process know-how and process understanding
- Six Sigma methodological competence
- DMAIC Model
- Project management in the context of Six Sigma
- Six Sigma process model
- Process diagrams
- Working with data for process characterization
- Introduction to a statistics software
- Measurement system analysis (Gage R&R)
- Process capability (Cp, Cpk)
- Graphical and statistical analysis tools



STRUCTURE OF THE COURSE SERIES



The contents of the examination refer to the course SIXGB.

PREREQUISITES

Qualification in the course SIXGB

FORMAT

The written examination consists of multiple choice questions. The oral examination consists of a presentation and an in-depth discussion with regard to the project work (preparation between SIXGB and SIXGBRW) as well as complementary questions.

CERTIFICATE **Six Sigma Specialist (Green Belt)**

VALIDITY OF THE CERTIFICATE 3 years

CRITERIA FOR EXTENSION

Proof (e.g. confirmation by the employer, interim certificate or self-declaration) of at least 2 implemented Six Sigma projects within the last 3 years.

Note: Part of the first training session is the definition of a **pilot project** relevant to the participant's company. This project is practically driven according to the participants' learning progress in the **period between the SIXGB training course and the reflection workshop SIXGBRW**. For the participants, this results in the additional benefit of being able to test and implement the acquired knowledge in practice. It should be possible to work out the pilot project within a period of 3 to 4 months. The company concerned thus benefits from the defined improvement project and its verifiable and measurable success during the training phase. You will receive information on how to select a suitable project during an information meeting with an expert from Quality Austria when you register for the training course. To participate in the training and to apply the skills acquired during the training, a statistics software is necessary. Each participant will receive a Six Sigma textbook and the Software Excel Add-In SigmaXL, which are included in the price of the training course.