



Level 

BSI Training Academy

Six Sigma Green Belt (ISO 18404) training course

Essential information about the course

Six Sigma is an organizational approach to continual improvement which focuses on minimizing the variability of key process outcomes. It can be applied to deliver results in organizations of all sizes in any sector.

The Six Sigma Green Belt training course will provide you with an understanding of Six Sigma Green Belt technical tools and how they are applied. You will learn how to select the appropriate statistical techniques commonly applied at Six Sigma Green Belt level and how to interpret the results from a number of core analytical tools.

This intensive three-day course has been designed for anyone who wants to learn how Six Sigma Green belt technical tools can be applied to continual improvement work. Successful completion represents an important step towards becoming an ISO 18404 Certified Six Sigma Green Belt.

During this interactive and highly practical course you will use Minitab 18 software which is commonly used in Green Belt level business improvement projects. Our expert tutors will make sure you complete the course feeling confident that you can apply the knowledge and implement continual improvement techniques as soon as you step back inside your organization.



Upon successful completion of your course, you'll receive an internationally recognized BSI certificate.

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What you will cover during this three-day course

Day one

- Welcome and introductions
- Overview of course aim, learning objectives and course structure
- DMAIC Phases and the use of Analytical and Graphical Tools

Measure phase

- Introduction to Minitab 18
 - Basic Statistics
 - Graphical Analysis
- Measurement Systems Analysis (Attribute Data)
 - Attribute Agreement Analysis (AAA)
- Measurement Systems Analysis (Variable Data)
 - Bias and Linearity (Variable Data)
 - Stability
 - Gage Repeatability and Reproducibility
- Process Control (Variable and Attribute Data)
 - I/MR Charts
 - X-Bar/R Charts
 - P Charts
 - U Charts
- Process Capability Studies
 - Capability Report (Cp, CpK, Pp, PpK)
 - Capability 'Six Pack'
- Delegate project and day one content review

Day two

- Welcome and refresh day one learning

Analyse Phase

- Multi-Vari Charts
- Hypothesis Testing
 - Concepts and Roadmap
 - Variable Data
 - Normality Testing
 - Testing for Means
 - Testing for Variance
 - Testing for Medians
 - Attribute Data
 - Testing for Proportions
- Regression Analysis
 - Correlation
 - Linear Regression
 - Residuals Analysis and Prediction
 - Polynomial Regression
- Delegate project and day two content review

Day three

- Welcome and refresh day two learning

Improve Phase

- Failure Mode and Effects Analysis (FMEA)
 - Roadmap and Stages in Process FMEA
 - Implementing FMEA
- Design of Experiments (DOE)
 - Key Concepts of Experimental Design
 - Main Effects and Interactions
 - Running and Analysing Full Factorial Experiments

Control Phase

- Control Phase Tools
- ISO 18404 Certification Competency Requirements
- Delegate Project and Day three Content Review
- Assessment, course review and final questions
- Six Sigma Green Belt Technical Examination

Book today at
bsigroup.com/en-HK

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We want to make sure you have the best learning experience possible. That's why we offer a range of training courses from beginner to expert. We create a positive learning environment so you retain the knowledge and acquire skills that will continue to be of use beyond the course.

Make sure this is the right course for you.

This is the course for you if:

- You've already attended our White, Yellow, and Foundation Green Belt training courses (or equivalent) which are a pre-requisite for attendance at this course
- You need to be able to select and apply the correct analytical and graphical tools associated with Six Sigma at Green Belt level to help deliver continual improvement work
- If you're part of an organization, leading or working in a team adopting Six Sigma as its chosen improvement methodology
- You're involved in implementing a quality management system such as ISO 9001

What is the course like?

- Three days long
- Led by a BSI expert tutor
- Relaxed and comfortable learning environment
- You'll receive comprehensive course materials to take away

How will I benefit?

- Be able to demonstrate a robust knowledge of the correct use of objective data in improvement projects
- Start to develop the competencies required by ISO 18404
- Develop professionally

Why invest in training from BSI?

When you attend a BSI training course, our tutors are the best in the business. They're truly passionate about sharing their knowledge and ensuring you learn. Trusted experts with years of hands-on and business experience, they bring the subject matter to life with relevant and contemporary examples.

Training delivered at your site



This could be a convenient and cost effective option, especially if you have multiple delegates.

Talk to one of our experts to find out more

Next steps with the BSI Academy



Want to learn more? You may be interested in:

Organizational Change Practitioner (ISO 18404)
- training course

Lean Practitioner (ISO 18404) – training course

bsi.

Find out more.
Call: +852 3149 3300
Email: hk@bsigroup.com or
visit: [bsigroup.com/en-HK](https://www.bsigroup.com/en-HK)