



BSI Training Academy

Lean Six Sigma Black Belt (ISO 18404)

training course

Essential information about the course

Level



Lean Six Sigma is an organizational approach to continual improvement which focuses on removing activities from processes that add no value whilst minimizing the variability of key process outcomes.

The Lean Six Sigma Black Belt (ISO 18404) training course will provide you with the skills to be able to utilize a wide array of analytical and graphical tools.

Following this course you will have taken a major step forward in terms of starting to develop the competences required for ISO 18404 Black Belt certification.

Building on the Six Sigma Green Belt skillset this intensive and practical five day course utilizes Minitab 18 software and will discuss, demonstrate and guide you through the use of powerful Six Sigma Black Belt analytical and technical tools that can then be applied to the operational improvement projects that you are undertaking.

Our course agenda

Day 1

- Quality Function Deployment (QFD)
- Requirements Flow Down (NPD)
- CUSUM Charts
- Tools for Non-Normal Data
- Non-Normal Process Capability
- Understanding Attribute Data

Day 2

- Understanding Attribute Data
- Attribute Process Capability
- Further Hypothesis Testing

Day 3

- Statistical Tolerance Intervals
- Multi-Way ANOVA
- Recap. Of Hypothesis Testing
- Advanced Regression
- Binary Logistic Regression
- Screening Experiments

Day 4

- Screening Experiments
- Improve Phase Strategies
- Response Surface Methodology and Robust Design
- Optimal Designs

Day 5

- Evolutionary Operations
- Taguchi's Loss Function
- Robust Design Using Taguchi Methods

Book today at
bsigroup.com/training

Online exam

Validate your learning with an online end of course assessment. You can then receive a training certificate of achievement.

Why invest in training from BSI?

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.



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

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...making excellence a habit.™

Lean Six Sigma Black Belt (ISO 18404) training course

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 course is for you if:

- You've already attended our Green Belt course (or equivalent) which is a pre-requisite for attendance at this course
- You need to apply effective and structured continual improvement techniques and methodologies to improve quality and efficiency
- You're part of an organization adopting Lean Six Sigma as its chosen improvement methodology and are leading or working in an improvement team
- You're involved in implementing a quality management system such as ISO 9001 and want to gain knowledge on improvement techniques

What's the course like?

- Five 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?

- Gain confidence in explaining Lean Six Sigma frameworks for continual improvement
- Lead continual improvement teams through the DMAIC process
- Develop professionally
- Network with likeminded peers
- Receive a BSI Certificate

Training delivered at your site



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

Talk to one of your experts to find out more

Next steps with the BSI Academy



Want to learn more? You may be interested in our Lean Six Sigma Change Leader Training course.

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BSI Group
Kitemark Court
Davy Avenue, Knowlhill
Milton Keynes, MK5 8PP

T: +44 (0)345 086 9000
E: training@bsigroup.com
bsigroup.com/training

Find out more.

Call: **+44 (0)345 086 9000**

Email: **training@bsigroup.com**

Or visit: **bsigroup.com/training**