

## Advanced Green Belt Programme 12 days

**Take your data analysis skills further. Advanced Green Belt training builds on the Lean Six Sigma Green Belt programme with powerful statistical techniques to help you turn complex process data into confident decisions.**

Whether you're an existing Green Belt looking to extend your measurement and analysis toolkit, or starting fresh and want to cover all Green Belt and Advanced Green Belt content in one structured programme, this is your next step. Here we'll deepen your analytical capability, equipping you to tackle more complex improvement challenges using rigorous, data-driven methods.

The Advanced Green Belt programme comprises three modules:

1. Lean Six Sigma Green Belt (six days)
2. Data Driven Insights and Decisions (four days)
3. Further Process Measurement and Analysis Techniques (two days)

If you already have completed Green Belt training, you can join at Module 2.

Building on the DMAIC framework, this programme develops advanced technical skills, including how to validate data integrity, how to apply process sampling and how to assess measurement system performance. The application of Statistical Process Control (SPC) charts and process capability analysis (Cp/CpK) to monitor and sustain performance is covered in detail as is hypothesis testing and regression analysis.

### What You'll Learn

By the end of this programme, you will be able to:

- Apply the core DMAIC problem-solving approach alongside Six Sigma and Lean principles
- Map and measure processes, working confidently with process data and variation
- Present data effectively to engage and influence stakeholders
- Apply measurement systems analysis, including Gauge R&R studies
- Validate data integrity and sample processes correctly
- Use Statistical Process Control charts and assess process capability (Cp/CpK)
- Analyse data using a range of hypothesis and regression analyses
- Make sound, data-based decisions and apply appropriate Six Sigma measures

### Delivery Format

- Virtual Open Classroom options
- Self-paced online learning
- In-company delivery (on-site or virtual)
- Use of Minitab statistical software throughout Modules 2 and 3

## Accreditation

- Our courses are accredited by the British Quality Foundation (BQF) and Lean Competency System (LCS) and are recommended by the Chartered Quality Institute
- Module 1 Green Belt leads to certification through by the BQF (Green Belt) and LCS to Level 1c.
- After completing Advanced Green Belt modules 2 and 3 you can progress to Black Belt level by completing two remaining modules, Managing Change and Advanced Black Belt Tools.
- Advanced Green Belt training is worth 96 CPD points.

## Who Should Attend?

- Those seeking to upgrade their skillset with advanced statistical tools, including business analysts, engineers, quality professionals, scientists, business consultants. and managers with process management responsibilities
- Existing Lean Six Sigma Green Belts who want to extend their skills and apply more advanced data-led improvement methods, including those qualified by other providers.

## Why Choose This Course?

This programme is designed for Green Belts who want to move beyond standard improvement tools and develop the advanced data analysis capability needed for more complex projects, technical roles and progression towards Black Belt. It will:

- Build on the Lean Six Sigma Green Belt foundation with advanced statistical and analytical techniques.
- Strengthen delegates' confidence in working with complex process data and using evidence to make sound decisions.
- Develop expert practical skills in Minitab.
- Help practitioners present data clearly and use analysis to engage and influence stakeholders.
- Support more rigorous investigation of root causes and more robust improvement decisions.
- Provide a clear development route for engineers, scientists, analysts and improvement practitioners who use data extensively in their roles.
- A necessary stepping-stone towards Lean Six Sigma Black Belt.

## Course Content

Information on each module including detailed content lists is provided in module specific brochures.

## Why Choose Catalyst?

Catalyst delivers results, not just services. We blend consulting, coaching, training, and AI-powered tools into a seamless support system that meets teams where they are, developing capability at every level.

Thousands trust us to support their learning and Continuous Improvement journeys – we've specialised in Lean Six Sigma Training and Consultancy for over 30 years. We're known for sharing our knowledge in an accessible and interactive way. Look no further for relevant, relatable content, built by experts and accredited by the British Quality Foundation and the Lean Competency System (LCS). We are the BQF's primary Lean Six Sigma partner and recommended by the Chartered Quality Institute.