

LEAN SIX SIGMA

EXPERT

BLACK BELT

Overview

Lean Six Sigma Expert (Black Belt) gives you the skills you need to lead teams through breakthrough improvements and support strategic objectives in any function or department of any organisation.

Upholding the rigour and standards of the university, NUS SCALE's Lean Six Sigma (LSS) Expert programme prepares you to solve a wide variety of difficult problems across a wide spectrum of industries, including transactional, service, manufacturing and healthcare, drawing on both quantitative and qualitative methods from the complementary domains of Lean Six Sigma.

This programme also prepares participants for their role as change agents in training and mentoring, facilitating and leading projects, supporting broader performance excellence efforts and serving as internal consultants.

A differentiating aspect of this programme is the inclusion of creative-thinking modules that can be used within the structure of DMAIC (Define-Measure-Analyse-Improve-Control) to dislodge a team's thinking when members are mired in their own assumptions and familiarity with their processes.

Why Blended Learning with NUS SCALE?

NUS SCALE's blended model is best suited to meet most busy and travelling executives' schedules and learning styles. The blended model allows students the flexibility to study on their own schedule. They will receive the support of Master Black Belts to reinforce the learning through five two-day classroom training sessions.

What is Blended Learning?	What is NOT Blended Learning?
An approach that combines Classroom Instruction + eLearning to teach new skills.	An approach designed to eliminate face-to-face interaction.

Comparison of Traditional Classroom Training versus Blended Learning

Classroom Only	Blended
<ul style="list-style-type: none"> 25 days of classroom based learning delivered in 5-day increments over the course of 5 months 	<ul style="list-style-type: none"> 6-month training plan Online pre-and post-work surrounding classroom time 10 days of classroom based learning delivered in 2-day increments over 5 months Project coaching hours are available at minimal cost when required; Flexible yet structured to optimise the learning journey

Participants will learn

- In-depth business data analysis using higher-level statistical tools such as Multi-factor regression, logistics regression, ANOVA, Chi-Square
- Design and conduct of experiments using DOE (Full and Fractional factorial) to optimise process performance
- Survey design, implementation and analysis
- Determination of sample size for data collection (for estimation, Hypothesis Testing, Survey)
- Advanced Lean application in Visual Management, Kanban, Elimination of Human Errors

Who should attend

- Senior executives desiring the skills of a Lean Six Sigma Black Belt
- Professionals looking to build competencies for process improvement or a consultancy career
- Professionals, managers and executives who will lead improvement projects, sponsoring change projects and initiatives

Certification

NUS SCALE-BMGI Lean Six Sigma Expert (Black Belt) Certificate, upon passing the online examination and successful completion of project.

Pre-requisites

Attained the NUS SCALE-BMGI Lean Six Sigma Advanced (Green Belt) Certificate or equivalent

Certification Requirements

Complete all 107 hours of online learning

Pass 3 LSS Black Belt exams with a score of 75% or higher; and

Complete 1 project which is reviewed and approved by NUS Master Black Belt Mentor.

Commitment

107 hours of online learning

10 days of classroom training/workshop

1 completed approved project

For more information, email
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About our partner, BMGI

BMGI is a consulting firm focusing on Strategy, Innovation, Performance Excellence and Change Management. Working with clients across various industries, BMGI has developed a broad range of training with real-world application that is globally recognised and accredited.

Underpinning everything entered into by BMGI are skills forged as a Lean Six Sigma leader. Together with NUS SCALE, our certification meets the highest standards and is recognised by the International Association of Six Sigma Certification (IASSC).

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