

# LEAN SIX SIGMA MASTER BLACK BELT



## Objectives

During this Lean Six Sigma Master Black Belt (MBB) course, participants will be able to build on their existing knowledge of the Lean Six Sigma Black Belt course.

## Duration

Saturday | 845am – 515pm | 3 months | 72 hours

## Entry Requirement

Participants should be Lean Six Sigma Black Belts (or its equivalent) with at least 3 years of work experiences. Current MBBs are also eligible.

## Course Fees

Member: S\$8,316.00  
Non-Member: S\$9,266.40  
*Registration Fee of S\$17.28 apply*  
*All fees stated are inclusive of 8% GST*

## Assessment Method

Minimum 75% of class attendance is required  
Discussion & Presentation in class



**SINGAPORE  
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[enquiries@sqi.org.sg](mailto:enquiries@sqi.org.sg)



[www.sqi.org.sg](http://www.sqi.org.sg)



+65-6467 4225



1 Sophia Road #05-06/07 Peace Centre S(228149)

## Course Contents

### Lean Six Sigma Organisations

- Six Sigma Leadership and Change Management
- Project Management/Coach/Evaluation
- The Role of MBB

### Lean Six Sigma Deployment Plan

- Aligning Six Sigma with Business Excellence Model
- Bringing Lean Six Sigma to Achieve Company Objectives
- Reward and Recognition

### Lean Tools - Indepth Analysis

- Lean Principles
- Definition of Value
- Value Stream Mapping
- Identification of Wastes

### Six Sigma Tools - Advanced Tools/Indepth Analysis

- Measurement System Analysis
  - Cross/Nested/Expanded Gage R&R
  - Gage Linearity/Bias/Stability
- Process Capability for non-normal and attribute data
  - Capability Analysis using Distribution fitting
  - Capability Analysis discrete data (Binomial and Poisson)
- Non-Parametric Statistics
- Multiple Regression
- Advanced Control Chart
  - CUSUM
  - EWMA
  - Pre-Control Chart
  - Control Chart for Short Production Run

### Capstone Project: Students' Research and Presentation

#### Special Note:

Participants need to bring their own laptops for Minitab Software Application training



Please refer to this URL  
<https://www.sqi.org.sg/courses/>  
or QR Code for soft copy  
and updated training schedule

### Membership Application

Register membership online at [www.sqi.org.sg/membership-join/](http://www.sqi.org.sg/membership-join/) or contact us to get the membership application form.

Membership Categories:

- ~ Organisation membership
- ~ Individual membership

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