



LEAN SIX SIGMA BLACK BELT CERTIFICATION PROGRAMME

www.ssi.org.hk



LEAN SIX SIGMA BLACK BELT CERTIFICATION PROGRAMME

Introduction

Lean Six Sigma Black Belts are pivotal in driving operational excellence, blending technical expertise with Six Sigma methodologies to optimize processes across organizations, suppliers, and customers. This certification equips professionals with advanced problem-solving skills, including the integration of the Theory of Constraints (TOC), a management philosophy that identifies and mitigates process bottlenecks.

Combining Lean, Six Sigma, and TOC empowers professionals to eliminate inefficiencies, boost productivity, and sustain long-term success, positioning them as key contributors to business growth and operational excellence.

COURSE DETAILS

Course Overview

The Lean Six Sigma Black Belt program provides hands-on training, guided by seasoned practitioners, to develop expertise in leading transformative projects. Participants gain practical experience through real-world case studies, enabling them to implement solutions that deliver measurable results.

As a Lean Six Sigma Black Belt, you will be equipped not only to analyze and solve complex issues but also to mentor Green Belts and lead cross-functional teams. Implementing TOC alongside Lean Six Sigma methodologies will enable you to drive strategic change, streamline processes, and deliver sustainable results.

This comprehensive approach not only enhances team performance but also fosters a culture of continuous improvement, making you a vital asset to your organization.



TARGET PARTICIPANTS

- Professionals with 5 to 10 years of solid working experience in a specific role OR
- Professionals with 5 years of experience in quality management OR
- Individuals aspiring to elevate their careers by acquiring the skills necessary to lead high-impact Lean Six Sigma projects

Upon completion of the LSSBB Programme, participants should have acquired:

- Advanced data analysis techniques to identify root causes of process variation and drive informed decision-making
- Collaboration with cross-functional teams to address complex challenges and improve operational efficiency
- To analyse own business in order to identify critical areas for improvement.
- To develop solutions to improve those critical areas for business growth
- Mentoring team members in Lean Six Sigma concepts and fostering a culture of continuous improvement within the organization
- Use AI to analyse own business in order to identify critical areas for improvement
- Develop solutions to improve those critical areas for business growth

Language

The course will be conducted in Cantonese with English Handouts.

**On request, the course can be conducted in English or Putonghua or Chinese Handouts.*



COURSE OUTLINE

1. Lean Leader Certification Programme (LL)



Duration

15 hours

Content



This segment focuses on Lean methodologies, teaching participants how to streamline processes, reduce cycle times, and improve customer satisfaction by eliminating non-value-added activities

2. Six Sigma Green Belt Certification Programme (SSGB)

Duration

30 hours

Content



This portion delves into Six Sigma tools and techniques, equipping participants with the skills to analyze data, identify root causes of defects, and implement solutions for process improvements.



3. Six Sigma Black Belt Certification Programme (SSBB)



Duration

53 hours

Content



In this advanced portion, participants will delve deeper into Six Sigma concepts, exploring complex statistical analysis, advanced problem-solving techniques, and project management strategies essential for leading significant improvement initiatives.



EXAMINATION

Candidates will be required to complete a 3-hour examination with 120 multiple-choice questions. The exam will be open book, with a passing mark of 75%

CERTIFICATION

Participants who completed each module with attendance 70% or above, complete all assignments and projects and pass the LSSBB examination, will receive the Lean Six Sigma Black Belt Passing Certificate

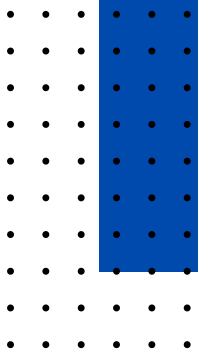


PROFESSIONAL REGISTRATION

Registration Certificate with registered title “Registered Lean Sigma Black Belt”, RLSBB

Holders of the Lean Six Sigma Black Belt Passing Certificate must complete an accredited Lean Six Sigma project and successfully pass the VIVA exam which demonstrated their application of Lean Six Sigma principles in real-world scenarios. The fee for the VIVA exam is \$3,000

SSI has achieved accreditation from the Council for Six Sigma Certification (CSSC) which adds a prestigious layer of global recognition to the holders’ professional qualifications



FEE WAIVER & SPECIAL OFFER

Full Lean Six Sigma Black Belt Programme

Enrol in the Lean Six Sigma Black Belt Full Certification Programme to enjoy maximum benefits as below:

- Early-bird discount offer is applicable to enrolment in FULL course of the LSSBB programme with one-off payment made 4 weeks BEFORE the commencement date of either one component whichever is earlier .
- Lean Six Sigma Black Belt Examination Fee waived.

Please contact us at info@ssi.org.hk or (852) 2581 2771 for course fee details.



ENROLLMENT

Please complete the e-Enrollment Form, our course administrator will contact you shortly.

For enquiries, please call us at (852) 2581 2771



CHIEF PROGRAM LEADER **Ir. Dr. Y.K. Chan**



EngD, DMgt, CEng, FHKIE, RSSMBB,
RLS, Certified TOC Practitioner

Chairman of Six Sigma Institute
Managing Director of SBTI-Hong Kong Ltd
Post-doctoral Scholar (Oxford)
Doctor of Engineering (Warwick)
Doctor of Management (IMC/USC)
Registered Professional Engineer

Registered Six Sigma Master Black Belt
Certified Six Sigma Black Belt Teacher
Registered Lean Specialist
TOCICO Certified TOC Practitioner
Visiting Professor of Beijing Normal University
Industrial Fellow of University of Warwick, U.K.

Ir. Dr. YK Chan has over 30 years of managerial experience in both manufacturing and servicing industries. Being a pioneer of Lean Six Sigma development journey in Hong Kong, he has led over 100 Lean Sigma projects and trained over 25000 Lean Six Sigma professionals, including Six Sigma Master Black Belts, Lean Six Sigma Black Belts and Six Sigma Green Belts, Lean Specialists, Lean Leaders, Lean Practitioners, as well as TOC professionals.

FACILITATOR



PostDoc(Oxford), PhD, MBA, RSSMBB,
CSSBB(CAQ), RLS, Certified TOCICO
Practitioner

General Manager of Six Sigma Institute
General Manager of SBTI-Hong Kong Ltd
Director of Hong Kong Quality
Management Association
Visiting Professor, Guangdong Institute of
Engineering and Professional Technology

Registered Six Sigma Master Black Belt
Certified Six Sigma Black Belt Teacher
Registered Lean Specialist
TOCICO Certified TOC Practitioner
Post-doctoral Scholar (Oxford)

Dr. Sebastian Chan has over 10 years of experience as Management Consultants. Served numerous organizations both in the service, manufacturing, and healthcare industries. Jointly with Dr. YK Chan, he served over 30 hospitals in 6 clusters of public hospitals, 4 private hospitals, and HKSH for more than 10 years.

Dr. Sebastian Chan

TESTIMONIALS

"Enrich knowledge in Six Sigma, Lean, Project Management"
- Sze Hiu Shing,
Senior Duty Manager

"Hypothesis tests and Minitab examples are impressive." -
Wong Wai Hung,
Senior Quality manager

"Understand the DAMIC process much clearer for each steps and tools to use. Very good course to attend, but may be more application cases and examples to help the understanding better." -
Patrick Leung, Senior Manager, Product Development

"C&E Matrix in the Measure Phase is quite impressive." -
Lee Chee Kheong, SQE

"The methodology is really helpful in both management, process improvement and Quality Control" - Aston Chan

