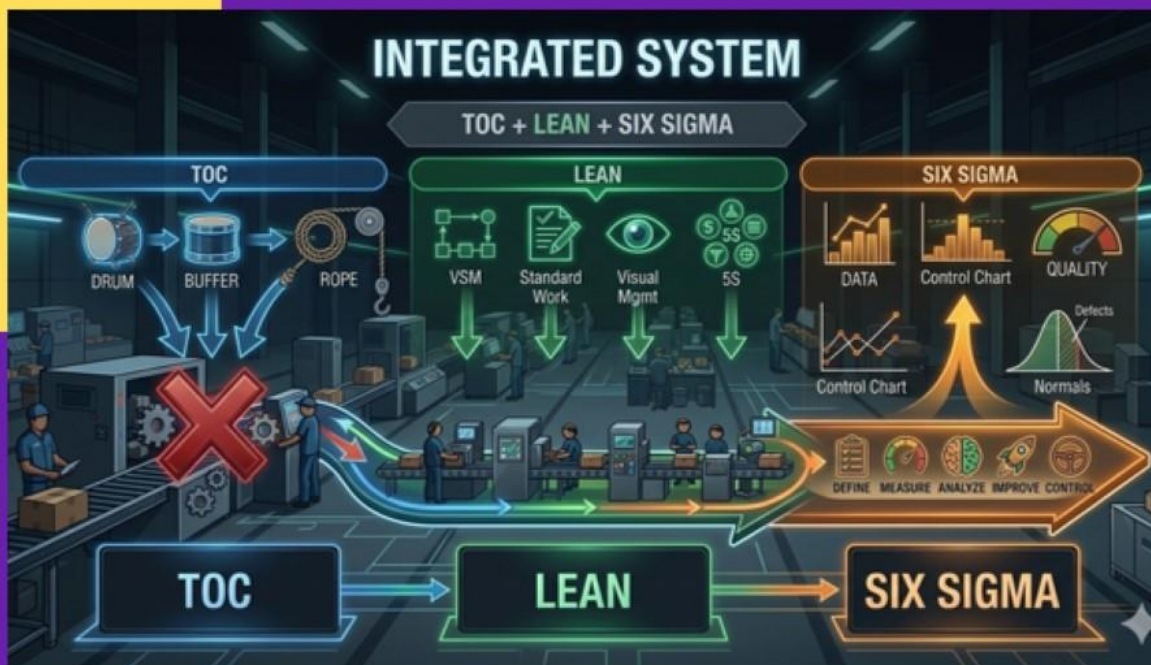




SIX SIGMA MASTER BLACK BELT CERTIFICATION PROGRAMME

www.ssi.org.hk



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Introduction

Six Sigma, Lean and TOC (Theory of Constraints) are well recognized over the world as effective methodologies for rapid financial results. The SSI's MBB course covers a comprehensive knowledge of these methodologies and aims to develop Master Black Belts (MBBs) who are competent to employ these tools and able to elevate organizational performance rapidly.

A qualified MBB who is usually in a senior position of an organization, should have knowledge and skills to provide advices to the senior management in achieving dramatic performance improvements, and producing a demonstrable return on investment. On top of providing business improvement solutions, the MBB is also a Six Sigma leader in the organization and act as trainer and coach to Black Belts and Green Belts within the organization.

MBBs are potential business partners of the SSI and they will be invited to conduct training programmes and participate SSI's consultancy projects.

COURSE DETAILS

Course Overview

This Master Black Belt course is designed for business professionals aiming to become transformative leaders. It moves beyond technical mastery to focus on maximizing organizational performance by synergizing Lean Six Sigma with Theory of Constraints. You will master advanced problem-solving tools, learn to effectively train and coach future champions, and develop the strategic leadership skills necessary to sponsor and govern complex, organization-wide initiatives. The curriculum culminates in Innovating Excellence through Design for Six Sigma, empowering you to proactively design flawless processes and products, ultimately driving significant ROI and sustainable competitive advantage for your business.

Entry requirement

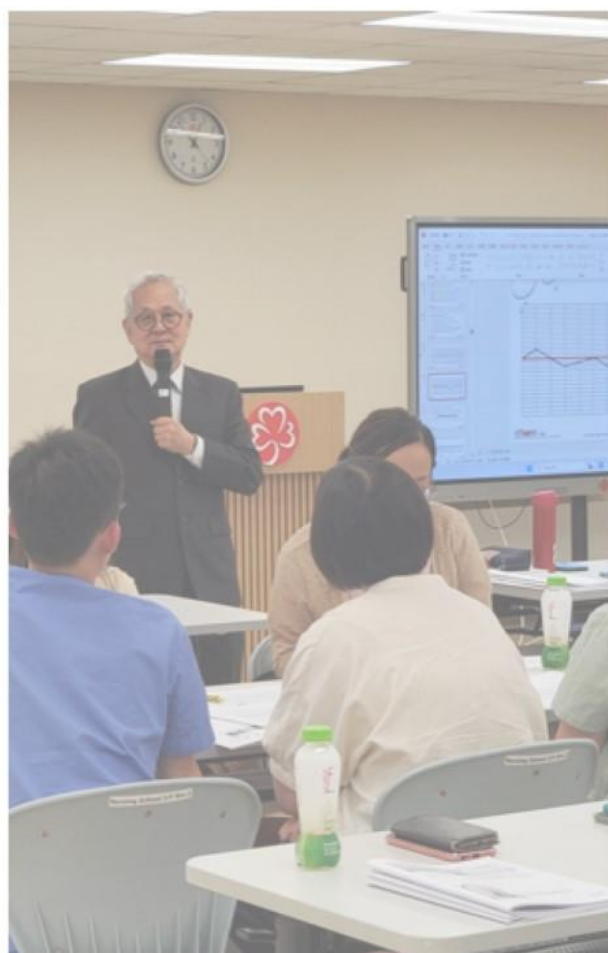
Candidates should possess a Six Sigma Black Belt / Lean Six Sigma Black Belt Certification from SSI or an equivalent professional organization.

Those who are certified by other bodies may need to attend an online interview with SSI to demonstrate their leadership abilities.

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



TARGET PARTICIPANTS

The Master Black Belt Certification empowers continuous improvement practitioners and strategic change leaders to drive enterprise-wide success.

This program is designed for professionals performing—or stepping into—the following vital functions:

Driving Strategic Transformation

Translate high-level enterprise goals into effective action, leading change management across cross-functional teams.

Defining Excellence Frameworks

Partner with Executive Champions to establish operational frameworks, define program scope, and maximize ROI.

Cultivating Operational Excellence

Standardize best practices and embed a sustainable culture of quality across business units.

Mentoring & Building Talent

Coach project leads, elevate problem-solving capabilities, and develop the next generation of improvement leaders.

Advising Strategic Deployment

Guide executive leadership through complex organizational shifts using advanced analytics and methodology.

Ideal Candidate Profile

Experienced practitioners, change agents, and functional leads ready to operate at a strategic, enterprise level.

Programme Outcomes & Mastery



DIAGNOSTIC PROFICIENCY

Identify critical areas that impede organizational performance.



HOLISTIC IMPROVEMENT STRATEGIES

Utilize SSI's TOCLSS approach for rapid results.



ADVANCED LEAN AND SIX SIGMA MASTERY

Analyze and resolve complex challenges effectively.



IN-HOUSE TRAINING EXPERTISE

Deliver Green Belt and Black Belt courses.



PROJECT LEADERSHIP SKILLS

Ensure successful project completion through expert coaching.



STRATEGIC LEADERSHIP

Drive and sustain organization-wide Lean Six Sigma initiatives.



EFFECTIVE MENTORSHIP

Transfer knowledge for impactful results.



INNOVATIVE DESIGN AND REDESIGN TOOLS

Enhance product processes at the Six Sigma level.



COURSE OUTLINE

Module 1 : Maximize Organizational Performance with TOCLSS

OBJECTIVE

Diagnostic skills to identify certain of critical areas of complex organization systems that limit the outputs of the company.

Ability to use SSI's TOCLSS approach for providing holistic improving strategies for rapid business results.

DURATION:

4 days • 28 hours

COURSE REQUIREMENT(S) :

- Submit a TOCLSS Project Report to demonstrate application of any one of the TOCLSS tools
- Pass the Examination (2 hours, in open book)
- Complete a VIVA Examination to present the TOCLSS Project Report

Module 2 : Master the Art of Efficacy with Six Sigma Advanced Tools

OBJECTIVE

To equip participants with Six sigma advanced tools for tackling complex process problem

Participants will practice experiential learning and tools use in the classroom and share your work in the class

DURATION:

4 days • 28 hours

COURSE REQUIREMENT(S) :

In-class Progressive Examinations

Module 3 : Training for Six Sigma Trainers

Eligible to be Registered Six Sigma Trainer(RSST)

OBJECTIVE

Training for trainer is a skill-development program focused on helping MBBs accelerate understanding and dramatically improve the learning experience for others.

Equip MBB with effective training skills for conducting in-house Green Belt and Black Belt courses.

DURATION:

1 day, 7 hours

COURSE REQUIREMENT(S) :

Complete an assignment with 20 -30 min voice-recorded presentation materials

ENTRY REQUIREMENT(S) :

Applicants must have completed Six Sigma Black Belt Training

COURSE OUTLINE

Module 4 : Six Sigma Maestro Coach

Eligible to be Registered Six Sigma Coach (RSSCO)

OBJECTIVE

Be able to equip with Six Sigma project coaching techniques.
Be able to complete an individual coaching report on the assigned real project.
Become a competent professional for coaching of Six Sigma projects in his organization to ensure successful project Completion.

DURATION:

1 day, 7 hours

COURSE REQUIREMENT(S) :

A written report of a coached project

ENTRY REQUIREMENT(S) :

Applicants must have completed Six Sigma Black Belt Training

Module 5 : Six Sigma Management Leader

Eligible to be Registered Six Sigma Champion(RSSC)

OBJECTIVE

Leadership skills for organization wide Lean Six Sigma deployment and management skills for success implementation and sustain the scheme.
Identify and select projects in line with corporate strategies and create a firm deployment plan including roles and responsibilities.

DURATION:

1 day , 7 hours

COURSE REQUIREMENT(S) :

Submit an AI-assisted Business Analysis Report of a selected organization

Module 6 : Innovate Excellence – Design for Six Sigma (DFSS)

Eligible to be Registered Design for Six Sigma Practitioner (RDFSSP)

OBJECTIVE

Acquired fundamental knowledge, framework and associated innovative tools on design and redesign process of product at Six Sigma level.

DURATION:

2 days, 14 hours

COURSE REQUIREMENT(S) :

Submit an AI -assisted Report on product development

CERTIFICATION



Participants who completed ALL six modules and each module with attendance 70% or above, complete all assignments and/or individual projects and pass the examination (if any) will receive a Passing Certificate on the Master Black Belt Certification Programme

Individual certificates for each module can be issued upon request with one-off administration fee

PROFESSIONAL REGISTRATION



To Become Registered Master Black Belt (RSSMBB)

- Applicants must have attained a Registered Six Sigma Black Belt / Registered Lean Sigma Black Belt issued by SSI.*
- Applicants should also complete and meet the course requirements in the Master Black Belt Programme and pass the VIVA examination.

*Those who have completed equivalent Master Black Belt training from other institutions and wish to obtain SSI's professional registration must first apply for an [examination](#) and pass the [eligibility assessment](#) conducted by the SSI Examination and Registration Board.



FEE WAIVER & EXEMPTION

Special Enrolment Offer: Full MBB Programme

Enrol in the Master Black Belt (MBB) Certification Programme (All 6 Modules) in a single registration to enjoy maximum savings:

- **FREE 1st-Year RSMBB Professional Registration:** Enjoy a 100% waiver on your first-year RSMBB Professional Registration Annual Fee.*
- **VIVA Examination Fee Waived:** One complimentary trial of the VIVA Examination.

*Special Note: Professional Registration Fee waiver eligibility extends to candidates exempted from the "Six Sigma Maestro Coach" module due to prior course completion at SSI.

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

Apply Online

ENROLLMENT

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



COURSE 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.



Dr. Sebastian Chan

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.