

CHARTERED 
INSTITUTE OF PROFESSIONAL CERTIFICATIONS

CERTIFIED LEAN SIX SIGMA GREEN BELT

**Fully Accredited
By:**

Chartered Institute of
Professional Certifications

CPD
Certification Service



PROGRAM OVERVIEW



In this certified program, you will understand what Lean is, why it matters, and how to lay the groundwork for a successful Lean journey. You will discover how to leverage on the **benefits of continuous flow and pull system that increase your flow efficiency and optimize resources**. You will also learn how to design value stream maps and use them to improve internal workflows, bringing more value to both the end-customer and the bottom line.

Led by our seasoned Six Sigma Master with demonstrated success of implementing robust strategies/processes improvements using LEAN/Six Sigma methodologies to establish Operational Excellence framework, you will learn how to integrate both **Lean and Six Sigma for continuous improvement and creating operation excellence**.

At the end of this program, you will be able to apply the **Six Sigma DMAIC phases and tools to identify and analyze problems** as well as developing solutions that drive cost savings, quality improvements, and streamlined workflows. Post completion of the course, you will take a short exam of 50 multiple choice questions and once you passed the exam, you will be accredited with your Lean Six Sigma Green Belt certification.

ACCREDITATIONS



4.8




4.6



KEY SKILLS YOU WILL GAIN

From This Program



**LEAN SIX SIGMA
OPERATIONAL EXCELLENCE
ROOT CAUSE ANALYSIS
CONTINUOUS IMPROVEMENT**

**VALUE STREAM MAPPING
KAIZEN
PROCESS ENGINEERING
CHANGE MANAGEMENT**

**PRODUCTIVITY IMPROVEMENT
DMAIC (DEFINE, MEASURE, ANALYZE, IMPROVE & CONTROL)
THE 7 DEADLY WASTE**

**LEAN PRINCIPLE CONTINUOUS FLOW
LEAN PRINCIPLE PULL
LEAN PRINCIPLE CADENCE
LEAN PRINCIPLE ZERO DEFECTS**

**PROCESS OPTIMIZATION
LEAN MANUFACTURING
QUALITY ASSURANCE**

YOUR FACULTY DIRECTOR



Luca Chiasserini

Lean Six Sigma Master Black Belt and Continuous Improvement Leader

Mr. Luca Chiasserini is an eminent, innovative Lean Six Sigma Master Black Belt and Operations Manager with extensive experience serving multi-billion-dollar global conglomerates within the FMCG, Banking, and Automotive industries.

He has a proven international history of directing successful operations and supply chain across Asia, Europe, USA, and Middle East and has helped global companies achieve efficiency, catalyze retention, and enhance revenue. He is also a seasoned Six Sigma Faculty Director with a proven record of implementing robust strategies/processes using LEAN/Six Sigma methodologies to establish Operational Excellence framework.

Lucas was previously appointed as the Head of Lean at Australia Post and Head of Process Re-engineering at National Australia Bank, Asahi Schweppes Australia and Porsche Consulting. His expertise lies in Operational Excellence, Lean Six Sigma Methodology, Agile & Human-centered Design, End-to End Value Stream Mapping, Continuous Improvement, P&L Management, and Stakeholder Management.

OUR PARTICIPANTS

Over 70% of **FORTUNE 500**
Companies Have
Attended Our
Accredited
Programs
Before

Goldman
Sachs

SAMSUNG

ExxonMobil

BURBERRY

citi

IKEA

VOLVO

HYUNDAI

Pfizer
Life is our life's work

Nestlé

PROGRAM AGENDA



MODULE 1: INTRODUCTION TO LEAN

Lesson 1: What is Lean
Lesson 2: Value Added vs Waste
Lesson 3: Kaizen
Lesson 4: The Lean "House"
Lesson 5: Problem Solving – The PDCA Cycle
(Plan, Do, Check, Act)
Quiz

MODULE 2: LEAN PRINCIPLE CONTINUOUS FLOW

Lesson 6: Basic Concept of Continuous Flow
Lesson 7: Batch vs. One-Piece-Flow
Lesson 8: Case Study 1

MODULE 3: LEAN PRINCIPLE PULL

Lesson 9: Basic Concept of Pull
Lesson 10: Kanban - Supermarket
Lesson 11: Kitting – JIS-Milkrun
Lesson 12: Case Study 2
Quiz

MODULE 4: LEAN PRINCIPLE CADENCE

Lesson 13: Basic Concept of Cadence
Lesson 14: Cadence vs. Cycle Time
Lesson 15: Case Study 3

MODULE 5: LEAN PRINCIPLE ZERO DEFECTS

Lesson 16: Basic Concept of Zero Defects
Lesson 17: Poka-Yoke
Lesson 18: Jidoka
Quiz

MODULE 6: VALUE STREAM MAPPING

Lesson 19: Create Current Value Stream Map
Lesson 20: Design Future State Value Stream
Map
Lesson 21: Case Study 4

MODULE 7: INTRODUCTION TO SIX SIGMA

Lesson 22: Six Sigma and Overview of DMAIC
Quiz

MODULE 8: DEFINE PHASE

Lesson 23: Critical-to-Quality
Lesson 24: SIPOC
Lesson 25: Project Charter
Quiz

PROGRAM AGENDA



MODULE 9: MEASURE AND ANALYSE PHASE

Lesson 26: Process Capability Study
Lesson 27: Measurement System Analysis
Lesson 28: Cause & Effect Diagram
Lesson 29: Statistical Tests

MODULE 10: IMPROVE AND CONTROL PHASE

Lesson 30: Improve and Control
Lesson 31: Case Study 5

FINAL EXAMINATION

YOUR CHARTER DESIGNATION



Chartered Institute of Professional Certification's programs are unique as they provide you with professional charter designation and mark that can be used across your lifetime once you have completed our programs.

After completing the program and passing the exam, you will be awarded the **Certified Lean Six Sigma Green Belt Designation** charter that can be used in your resume, CV and other professional credentials. This designation is a global trademark and industry-recognized with lifelong validity.

Globally demanded and recognized, this designation will help you distinguish your skillsets and you have attained expertise in using **LEAN/Six Sigma methodologies to establish Operational Excellence framework and integrate both Lean and Six Sigma for continuous improvement and creating performance excellence.**

ABOUT US

49,525

Business Leaders Have
Attained Their Chartered
Certifications Since 2009

390

Certified and Fully
Accredited Programs

87%

Chartered Leaders Have
Reported Career Promotions
and Enhancements

Chartered Institute of Professional Certifications

All of Chartered Institute of Professional Certifications programs are fully accredited programs. The professional charter and designations are trademarked credentials that can only be used by professionals who have completed and passed our accredited program. It is also independently accredited by CPD as adhering to the highest standards of continuing professional principles.

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OUR FACULTY DIRECTORS

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Stanford University



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THE LONDON SCHOOL
OF ECONOMICS AND
POLITICAL SCIENCE



**Columbia
Business
School**

**London
Business
School**



CONTACT US TODAY

We Thank You for Your Ongoing Support
of Our Programs

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