

**CHARTERED**  
INSTITUTE OF PROFESSIONAL CERTIFICATIONS

# CERTIFIED LEAN SIX SIGMA BLACK BELT

**Fully Accredited  
By:**

Chartered Institute of  
Professional Certifications

CPD  
Certification Service







# PROGRAM OVERVIEW



According to a Harvard Business School study, organizations that implement Six Sigma can **reduce costs by up to 40% while boosting revenue by 10% and shortening product development time by 20%**.

This Lean Six Sigma Black Belt program is designed to help you deliver **unprecedented improvements within your organization by eliminating inefficiencies and achieving higher quality**. Led by Luca Chiasserini, highly-rated Lean Six Sigma Master Black Belt and continuous improvement leader, this program will help you analyze your operational needs, identify high-impact opportunities and rapidly implement solutions that will **build profitability and eliminate inefficiencies** in every area of your business. You will learn how to use **advanced analytical and statistical tools** that will help you create **cost intelligence and uncover root causes of wastes**. By mastering the **DMAIC process and linking them with Six Sigma principles**, you will also discover how to use enterprise speed, agility, and flexibility to drive step-change reductions in cost and enable higher efficiency across your organization. At the end of the program, you will gain a strong understanding of the enterprise business processes to lead teams, provide coaching to Green Belts and successfully implement and embed the solutions to sustain new levels of business performance using **Pull, Cadence and Zero Defects methodologies**.

Upon completion of the program, you will be awarded with the Lean Six Sigma Black Belt title, which will help you improve your professional credentials and gain recognition as a Six Sigma Black Belt professional and expert.

## ACCREDITATIONS



4.8



4.6



# KEY SKILLS YOU WILL GAIN

## From This Program



**LEAN SIX SIGMA  
OPERATIONAL EXCELLENCE  
PRODUCTIVITY IMPROVEMENT  
DMAIC (DEFINE, MEASURE, ANALYZE, IMPROVE & CONTROL)**

**CONTINUOUS IMPROVEMENT  
VALUE STREAM MAPPING & ANALYSIS  
CONTINUOUS FLOW PRINCIPLE  
ZERO DEFECTS PRINCIPLE**

**ANALYZE TEAM DYNAMICS  
PULL PRINCIPLES  
PROCESS ANALYSIS  
PROCESS CAPABILITY**

**MEASUREMENT SYSTEM ANALYSIS  
SIX SIGMA IMPLEMENTATION PLAN  
CADENCE PRINCIPLES  
TOLLGATE REVIEW  
KANBAN**

**PROCESS OPTIMIZATION  
QUALITY ASSURANCE  
ORGANIZATIONAL IMPROVEMENT**

# 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



CERTIFIED LEAN  
SIX SIGMA  
BLACK BELT

## MODULE 1: ADVANCED LEAN PRINCIPLES

- Lesson 1 - Lean House
- Lesson 2 - Lean Principle Continuous Flow
- Lesson 3 - Lean Principle Pull
- Lesson 4 - Lean Principle Cadence
- Lesson 5 - Lean Principle Zero Defects

## MODULE 2: THE FIRST 4 SUCCESS FACTORS FOR A LEAN IMPLEMENTATION

- Lesson 6 - Overview Of The 8 The Success Factors And The Core Elements
- Lesson 7 - Willingness To Start A Lean Journey
- Lesson 8 - Continuous Improvement Organisation
- Lesson 9 - Methods And Tools

## MODULE 3: THE OTHER 4 SUCCESS FACTORS FOR A LEAN IMPLEMENTATION

- Lesson 10 - Communication Plan
- Lesson 11 - Training
- Lesson 12 - Key Performance Indicators
- Lesson 13 - Process Vision And Workshop/Project Itinerary

## MODULE 4: THE LEAN JOURNEY

- Lesson 14 - The Lean Journey Model
- Lesson 15 - Lean Strategy On A Page And Roadmap

## MODULE 5: VALUE STREAM MAPPING

- Lesson 16 - Value Stream Analysis And Design
- Lesson 17 - Facilitation Of A VSM Session
- Lesson 18 - Design And Implement Standard Work
- Lesson 19 - Standardized Work Methodology

## MODULE 6: CASE STUDY PART 1

- Lesson 20 - Case Study Lean Principle Continuous Flow
- Lesson 21 - Case Study Lean Principle Pull, Kanban And Supermarket
- Lesson 22 - Case Study Lean Principle Cadence

## MODULE 7: SIX SIGMA DMAIC

- Lesson 23 - The DMAIC Methodology - Define And Measure
- Lesson 24 - The DMAIC Methodology - Analyze, Improve, Control

## MODULE 8: CASE STUDY PART 2

- Lesson 25 - Case Study VSM-VSD
- Lesson 26 - Case Study Standardized Work
- Lesson 27 - Case Study DMAIC



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## MODULE 9: DMAIC PROGRAM STRUCTURE

Lesson 28 - DMAIC Program Structure, Project Identification And Selection

Lesson 29 - Project Charter

## MODULE 10: SPONSOR

Lesson 30 - Candidate Selection And Tollgate Review

Lesson 31 - Role Of The Sponsor

## 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 Black 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 charters 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

We Collaborate With  
Instructors From  
Renowned Institutions



**HARVARD**  
UNIVERSITY



**Wharton**  
UNIVERSITY of PENNSYLVANIA



**Stanford University**



**UNIVERSITY OF MICHIGAN**



**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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