



Lean Six Sigma

Excursions for
Sustainability through Certification
Black Belt Certification



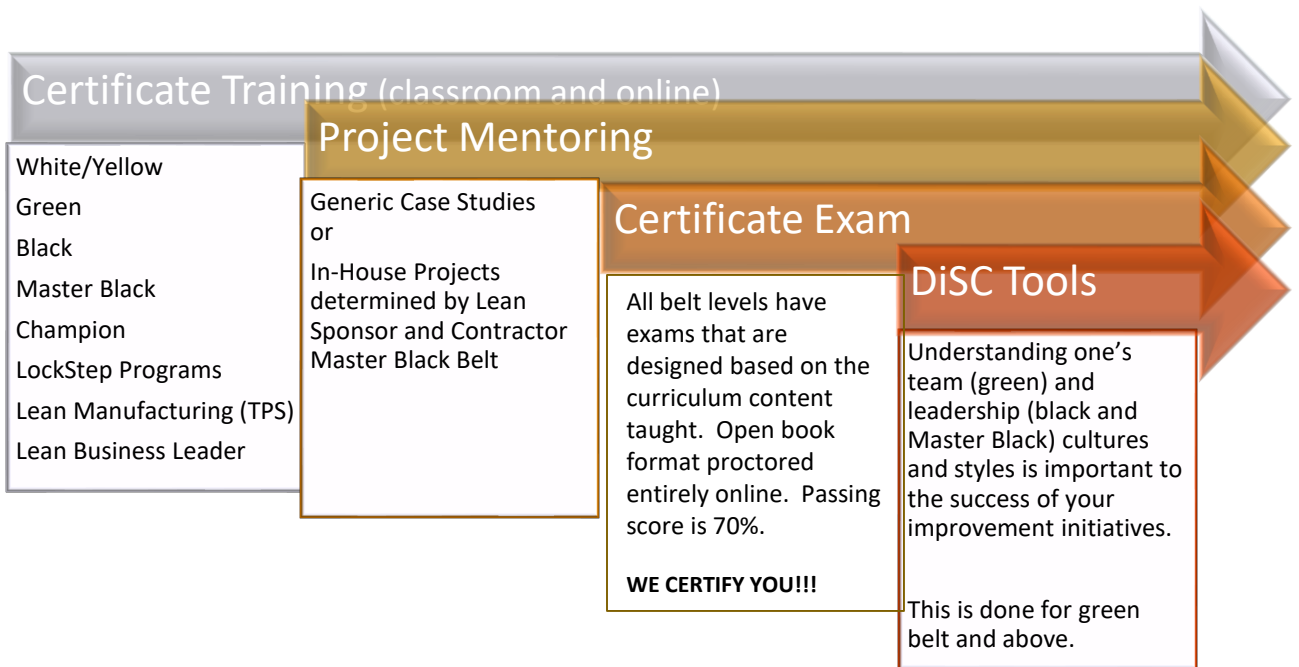
“We Simplified Our Universe...
So That You Could Improve Yours”



A division of CMA Enterprise
Incorporated

What makes us different from our Competition?

At CMA Enterprise Incorporated, we have a distinct uniqueness when compared to our competition, regardless of the size of the organization. That DIFFERENTIATOR is that we are a ONE-STOP-SHOP when it comes to the Lean Six Sigma Journey. We have taken the time to ensure your success. Ours is 100% completion rate with average exam scores of 88-99%. Our Candidates succeed because of our CONTINUUM OF LEARNING WITHOUT INTERRUPTION. It is because we offer the following on your journey...





Upon the completion of the Green Belt and proof of experience in running projects, this course is **12 days or 96 - 100 hours** in length, for eligible candidates. This journey takes up to a year to complete the course, take the exam and project. The course materials provide an in-depth look at the leading the DMAIC problem-solving methodology, as well as mobilization and project deployment approaches. The course flow follows the DMAIC methodology, with the appropriate tools and concepts taught at each stage of project deployment, coaching and oversight..

What Will I Learn?

- The essentials of mobilizing and leading of a successful Six Sigma program.
- Contribute to the definition of project selection criteria and develop project proposals and teams to meet those criteria.
- Learn how to lead a Six Sigma project team, using the DMAIC problem solving, project management methodology and team oversight skills.
- Apply and interpret advanced level Six Sigma tools, as necessary, for project definition, process baseline analysis, process improvement, and process control and monitoring

Is there a Candidate Criteria?

- Active Six Sigma Green Belt Certification
- Portfolio submission of a minimum of 5-7 green belt level completed projects or 2-4 years experience of Project Mentoring (at least 5)
- Certification exam
- Complete a belt level project using tools

For more information please visit
www.breakthruinstitute.biz



Black Belt Certification Toolbox

The black belt toolbox includes...



- 1100 + page
- binder
- Project Mobilization Summary Template
- Project Closure Report Template
- Project tool
- Dashboard
- Supplemental materials –
 - [The Certified Lean Six Sigma Black Belt Handbook](#)
 - [Lean Six Sigma Project Excellence Guide... Process Improvement Project Roadmap](#)
 - [The Six Sigma Memory Jogger II](#)

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Black Belt Certification Training (Project Mobilization) - Session One

Enterprise – wide Deployment	Design for Six Sigma (DFSS)
Six Sigma Roles and Responsibilities	Leadership
Design for X	Organization Process Management Measures
Craft the Problem Statement	Managing the Risks and Stakeholder Expectation
Singing our Song to sell the project	Financial Measures
Improvement Project Mobilization Charter	Crisis Minimization
Projects & Kaizens	Team Formation
Project Mobilization Summary	

A differentiator for TBI is the first module on your journey. The Mobilization Excursion is designed to help you to prepare for your kick off meeting with the new project team.

Black Belt Certification Training

<u>Session Two</u>	<u>Session Three</u>	<u>Session Four</u>	<u>Session Five</u>	<u>Session Six</u>
DEFINE	MEASURE	ANALYZE	IMPROVE	CONTROL
Project Management Tools	Process Characteristics	Measuring and Modeling	Design of Experiment	Setting Control Objectives
Launching the Initiative Team	Process Analysis Tools	Regression Analysis	One Factor Experiments	Family of Control Charts
Project Charter	Data Collection	Multivariate Tools	Two Level Factorial Experiments	Material Controls
Verifying the VOC/B and SIFOC	Sampling Revisited	Multi-vari Studies	Creating the Desired State of Sustainability	Sustainable Improvements
Kano Analysis	Data Coding	Test for Means, Variances and proportions	Realigning the Current State	Obtaining Client/Stakeholder Acceptance
Critical to Quality	Measurement Methods	ANOVA	Lean Flow Systems	Developing Improvement Plans
Quality Function Deployment (QFD)	Measuring System Capability	Non-Parametric Tests	Analyzing Cycle Time Reductions	Project Closeout Summary
	Measurement Systems in the Enterprise	FMEA	Re-measuring System Capability	
	Financial Considerations	Gap Analysis		
	Revisiting COPQ	Root Cause Analysis		
	Basic Statistics	Waste Analysis		
	Process Capability for Non-Normal Data			
	Process Performance Specs			

Lean Six Sigma Certification

Lean Six Sigma Certification is an opportunity to establish our position in the marketplace through the completion of your training, project and examination are accolades when this globally recognized certification is granted.

The cost of the certification from TBI is included in the Green and Black Belt Courses and provide the proof that existing and prospective staff have attained a high standard of expertise in their use of Lean Six Sigma Methodology.

The information provided below will give you additional support on our certification process



How can I promote and use my Lean Six Sigma qualifications?

You will be able to bring greater value to your personal credentials and a heightened credibility to your organization's sustainability and improvement initiatives.

You will also be able to self promote yourself by noting the acronyms assigned to the applicable belt levels that you have been awarded.

How long does my certification last?

The certificate expiration dates and/or recertification requirements include...

- Yellow Belt – No Renewal required
- Green Belt – No renewal required; Refresher course encouraged every 5 years
- Black Belt – Renewal requirements every 3 years
- Master Black Belt – Renewal requirements every 3 years

How can I apply for a certification (or recertification) exam?

Application for the certification course and/or examination process is available at...
 Email: thebreakthruinstitute@gmail.com
 Telephone: 954-476-3525

Exam Requirements

What type of questions will there be?

All exams contain a mixture of questions. You will be required to entertain multiple choice, true /false, short answer, fill in the blank, problem solving and data interpretation. Questions are randomized so no test is the same.

How long will the exam last?

Candidates will have one (1) week to complete the exam

Will I be allowed to bring reference materials?

The test is an open book exam. Candidates are allowed to use the materials used in the course. This is an individual exam and should be completed in this manner.

Where will the exam be held?

The exam is contained in an online platform and is available 24/7/365 for eligible candidates.