**Lean Six Sigma Green Belt Certification Program**

**2021 Program Description and Registration Form**

The Maryland World Class Consortia’s Lean Six Sigma Green Belt Certification Program (LSSGB) provides detailed instruction on, and guidance through, the Define, Measure, Analyze, Improve and Control (DMAIC) Roadmap. The Certified LSSGB will be able to identify the right projects, collect specific data, analyze the data with powerful Lean and/or Six Sigma tools, identify root causes, put solutions in place and set the new process up for both sustainability and continuous improvement.

The LSSGB Program consists of 6 learning units covered over a 4-week period. Candidates for LSSGB Certification meet 4 hours per day online to participate in training sessions and exercises covering the DMAIC Roadmap.

This is a virtual program, delivered via Zoom.

Unit 1: Define

* Program Introduction and Objectives
* Chartering the project
* Building the business case for a winning project
* Mapping the high-level process
* Understanding customer needs

Unit 2: Measure

* Prioritizing the right data for the project
* Building the data collection plan
* Testing the data collection and measurement system
* Using graphical analysis to understand baseline data
* Developing control charts
* Understanding process capability
* Forming theories on root cause

Unit 3: Measure and Analyze Lean Tools and Concepts

* Value added vs. non-value added
* The 8 Wastes
* Product process analysis
* Operator analysis
* Single piece flow
* Process and Layout Design

Unit 4: Analyze

* Process mapping and flow charts
* 5-Whys/Cause & Effect analysis
* Data stratification
* Pareto analysis
* Hypothesis Testing
* Regression Analysis
* Confirmation of root cause

Unit 5: Improve

* Brainstorming solutions
* Prioritizing solutions
* Identifying potential risks of solutions
* 5S
* Piloting solutions
* Implementation

Unit 6: Control

* Standardization
* Identifying metrics, leading vs. lagging
* Developing the Control Plan
* Documenting change
* Planning for Continuous Improvement
* Project closure

Who Should Attend?

The LSSGB Program is appropriate for workers at all levels in the organization. This structured program provides guidance for change agents the organization may be underutilizing. No prior exposure to Lean Six Sigma is required.

**2021 Calendar:**

WEEK 1 OF 4: 17-21 May

**Define Phase** and approximately 1/3 of **Measure Phase** to be completed in 4 hour/day sessions

24-28 May and 31 May - 4 June

No class during these weeks. GBs work independently through **Define Phase**

WEEK 2 OF 4: 7-11 June

Complete **Measure Phase** in 4 hour/day sessions

14-18 June

No class this week. GBs work independently through **Measure Phase**

WEEK 3 OF 4: 21-25 June

Complete **Analyze Phase** in 4 hour/day sessions

28 June – 2 July

No class this week. GBs work independently through **Measure & Analyze Phases**

WEEK 4 OF 4: 5-9 July

Complete **Improve and Control Phase** in 4 hour/day sessions

12 July

LSSGB Certification Exam available electronically.

Exam will be available for 3 weeks. Last possible date to take exam Friday, July 30, 2021

Candidates working toward LSS Project Certified Green Belt status will have until Friday, August 20, 2021 to complete all project certification requirements. Each candidate must meet with and update the instructor minimally at the end of each phase to remain on track for certification.

**Graduation Requirements:**

To receive a Certificate of Course Completion, candidates must attend all classroom training sessions. All homework and pre-work, if assigned for the session, must be satisfactorily completed. Pre-approved absences from some sessions must be covered by an equivalent make-up session or make-up assignment, as required by the instructor and student may incur an additional fee.

**Financial and Time Investments:**

Option 1 – Standard Course. The fee for the standard Lean Six Sigma Green Belt Program is $3,500 per person. This tuition covers all academic modules and course training materials for each academic day. Students will receive a training guide and “The Lean Six Sigma Pocket Tool Book: A Quick Reference Guide to 100 Tools for Improving Quality and Speed”.

* Participants who successfully complete the program will be presented with a Certificate of Completion.

Option 2 - DMAIC Project Mentoring and Full Certification. Additional $1300 per person. Those opting for the DMAIC Project Mentoring and full Certification will receive an additional six hours per student (remote mentoring activities).

* Participants undertaking the DMAIC Project Mentoring and Full Certification will be certified by HartePro Consulting and the MWCC provided they successfully complete the program.
* Participants are strongly encouraged to plan improvement projects in their home facility between monthly classroom meetings beginning after Learning Unit 1. Time necessary to conduct these projects can be significant, depending on the scope and level of difficulty selected by the student and their sponsor/senior leader, and should be considered when planning business commitments while the course is in session. Please contact us if you have questions regarding project planning and applied learning.

***We are excited to announce that through a grant from the Maryland Department of Commerce, this training is eligible for 50% reimbursement of the program training costs if you are a Maryland manufacturing or technology company.  Please contact Joyce La Padula at 410-960-3785 or via email at joyce@leanmaryland.com for reimbursement criteria.***

**To Register and to Learn More:**

To register, complete the form on the next page and return via email before COB April 29, 2021.

For questions about the Lean Facilitator Certification Program, contact Joyce La Padula, MWCC Managing Director, at joyce@leanmaryland.com, or cell (410) 960-3785.



**HartePro Consulting**

**Lean Six Sigma Green Belt (LSSGB) Certification Program**

**Registration Form**

**Student Information:**

First Name:

Last Name:

Title:

Company/Organization Name:

Email:

Business Phone:

Mobile Phone:

Mailing Address:

Options (circle): Standard LSSGB Course Plus DMAIC Project Option

 $3,500 $1300 ($3,500 + $1,300)

**Sponsor/Senior Leader Information:**

First Name:

Last Name:

Title:

Email:

Business Phone:

Please submit registration forms and payment no later than April 29, 2021. Send registration forms to

Joyce La Padula at joyce@leanmaryland.com. Make checks payable to the *Maryland World Class Consortia* and mail to Joyce La Padula, MWCC Managing Director, P.O. Box 352, Joppa, MD 21085. Option to register and pay online [here](https://www.leanmaryland.com/event-4030354). https://www.leanmaryland.com/event-4030354