

# Lean Six Sigma Black Belt Certification

Black Belt certification represents the extensive study and proper application of Lean, Six Sigma and other process improvement techniques. It's an impressive accomplishment that can result in advancement at work and increased compensation and responsibility.

## Who is Black Belt Certification for?

*The Black Belt is the heart of the Lean Six Sigma operation. As a Black Belt, you can lead any team across the organization in executing process improvement projects. You may also conduct Lean Six Sigma training and act as coaches and mentors to other Belts-in-training.*

**If your goal is to master this skill set and improve your value as an employee, then you should earn your Lean Six Sigma Black Belt.**

Certification - the recognition that you have both studied and successfully practiced the application of process improvement - is a more formal step. It takes longer to acquire certification, but once you have done so, you will have proof of your competence and abilities.

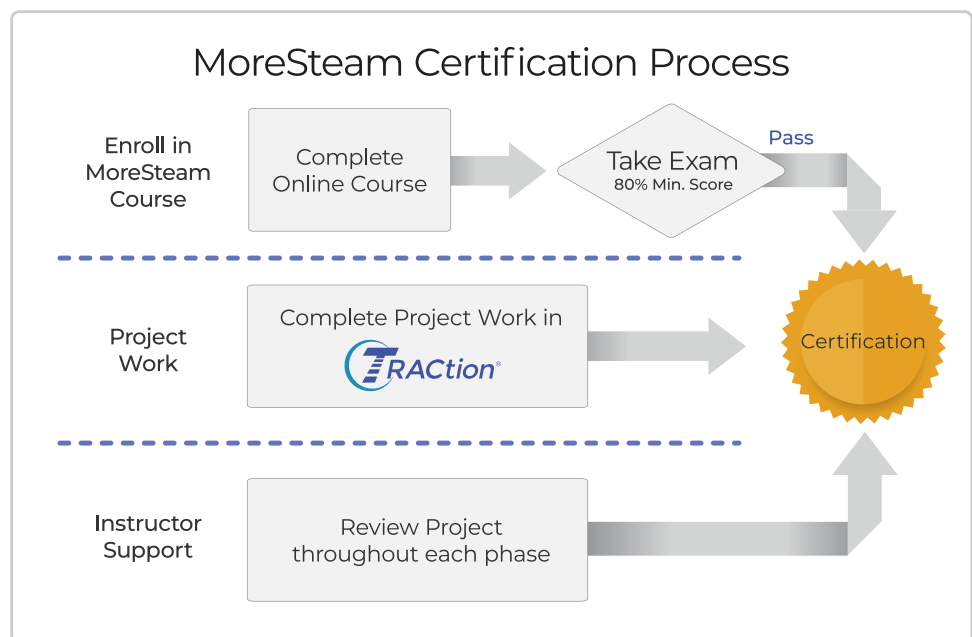
## Certification Benefits

- Increase your personal skill set and value
- Have the opportunity for increased responsibility, recognition and earnings
- Can positively impact the health and efficiency of your organization



To achieve Black Belt certification, you must complete the following:

- **Training:** Successful completion of the MoreSteam course of study
- **Testing:** A passing score (80%) on the comprehensive final exam
- **Application:** A detailed review of two Lean Six Sigma improvement projects



**Certification Prerequisites:** This certification has no pre-requisites, but you will need to either have taken or plan to take MoreSteam's Lean Six Sigma Black Belt online training course.



*The Engine Room of Continuous Improvement®*

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# How Does MoreSteam Compare to Other Certifications?

We subscribe to the Black Belt certification standards established by the Center of Operational Excellence at the Fisher School of Business at The Ohio State University. As a result, MoreSteam certification is valued more highly by hiring managers and deployment leaders.

## What materials are included with certification?

To help you manage your project, you will receive access to TRACtion, our online project management and tracking tool. Once you have registered for and purchased certification, we will send you information on how to access and use TRACtion.

TRACtion guides you through the project process with critical questions, tollgate reviews, templates, links to training and more.

## Project Support When You Need It

MoreSteam's Black Belt instructors are available to assist you. For example, it's a good idea to submit your completed project charter for review before you get too far along to ensure it's acceptable and scoped correctly. All MBB commentary will be captured inside of TRACtion.

### Certification Exam Details

**Test Duration:** 5 hours

**Test Length:** 120 questions

**Passing Grade:** 80%

**Test Location:** Online

**Test Coverage:** Information and materials covered in the MoreSteam Lean Six Sigma Black Belt course

**Can I retake the test if I don't pass the first time?** Yes, you can take the test again after a 1-month waiting period.

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### Certification Project Requirements

**2 Projects Required**

**Time to Complete:** 16 months (*includes training period*)

**Type of Report:** Report in full detail

**Interview Required:** No

**Required Project Coverage:** Materials included in the MoreSteam Lean Six Sigma Black Belt course.



We build software to help people make important things work better.  
*MoreSteam enables organizations of all sizes to advance their performance by delivering powerful, scalable online training and technology for enterprise process improvement.*

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# Certification Project Requirements

		Green Belt	Black Belt	
			Project 1	Project 2
Project Results	Summary statement of project results tying metric performance back to the Charter statement mission.	✓	✓	✓
Prioritize and Define	Project Charter	✓	✓	✓
	Thought Process Map	✓	✓	
	S-I-P-O-C Process Flow Chart	✓	✓	
	Pareto Chart	✓	✓	
	Gantt Chart	✓	✓	
	CTQC Tree Diagram	✓	✓	
	CTQC's Identified with Operational Definition	✓	✓	
Measure	Measurement System Analysis	✓	✓	
	Trend Chart	✓	✓	
	Defect Opportunities Defined	✓	✓	
	DPMO Baseline and Sigma Level	✓	✓	
	Histogram	✓	✓	
	Statistical Process Control	✓	✓	
	Capability Analysis	✓	✓	
Analyze	Hypothesis Testing	✓	✓	
	Design of Experiments: Full or Fractional Factorial Design	N/A	✓	
	<b>Select from the following tools:</b> <ul style="list-style-type: none"> <li>• Cause &amp; Effect Diagram (Fishbone Diagram)</li> <li>• FMEA – Failure Mode and Effects Analysis</li> <li>• 5-Why, 1-How Analysis</li> <li>• Regression &amp; Correlation Analysis</li> <li>• One-Way Anova</li> </ul>	Select 3	Select 4	N/A
Improve	<b>Select from the following tools:</b> <ul style="list-style-type: none"> <li>• Brainstorming</li> <li>• Error-Proofing</li> <li>• System Dynamics</li> <li>• Solution Selection Matrix</li> <li>• Corrective Action Matrix</li> <li>• Set-up Reduction</li> </ul>	Select 4	Select 4	N/A
Control	Control Plan	✓	✓	
	Control Chart(s) showing BEFORE and AFTER data	✓	✓	
	<b>Select from the following tools:</b> <ul style="list-style-type: none"> <li>• Revised Work Instructions (Standardized Work)</li> <li>• Total Productive Maintenance</li> <li>• 5-S</li> <li>• Best Practices – Improvement Integration</li> </ul>	Select 3	Select 3	N/A
Affadavit	Signed document from company executive		✓	✓