

Lean Six Sigma Black Belt Course

Operations Management Pathway | Self-paced
Eight-week syllabus and linked course guide

Provider: Star Global College of Workforce Development

Instructor: Dr. Zachary A. Cleghorn, Lean Six Sigma Master Black Belt

Start here

[Open your Black Belt course portal](#)
[Course Introduction / Week 0](#)

Watch the welcome video, review this syllabus, and locate the weekly tabs. Course lessons may require your enrollment login. Keep your project files together and develop the same improvement project throughout the program.

Your weekly steps

1. Course Work for Week

Open the weekly course link and complete the lessons and activities.

2. Respond by Wednesday

Open the weekly discussion instructions and post your response by Wednesday. Use the course page for the current prompt.

3. Weekly Project

View or download the PowerPoint first, read the assignment instructions, and complete the weekly project work. Use the linked YouTube page for peer review support.

4. Resources & Help

Find your course, project download, available videos, upload form, and student support in the weekly Resources & Help tab.

Weekly submission

Upload your weekly project in the course portal before continuing. Enter your name, enrollment email, and project title, then choose your file and select Upload. Support: Projects@starglobal.online

Each file can be up to 20 MB: PowerPoint (.pptx), PDF, Excel (.xlsx), Word (.docx), or ZIP. Upload supporting files separately. Save your receipt and original file. Submission confirms receipt and is awaiting instructor review; it does not confirm a passing assessment. Receipt history is available in the same browser.

Need help? [Email student support](#) | [Open your learning account](#)

Weeks 1-4

Click a blue link to open your course, project file, or peer support page.

Week 1: Managing the Operation

Project: Create a Project Charter

Define your problem, scope, stakeholders, goal, and project charter.

[Open Week 1 navigation](#) | [Open course work](#)
[View / Download Week 1 Project \(PowerPoint\)](#)
[YouTube peer review support](#)

[Upload Week 1 project in the course portal](#)

Week 2: KPIs & Workforce Planning

Project: Measure Your Process

Map the process, select measures, and document baseline performance.

[Open Week 2 navigation](#) | [Open course work](#)
[View / Download Week 2 Project \(PowerPoint\)](#)
[YouTube peer review support](#)

[Upload Week 2 project in the course portal](#)

Week 3: Process Improvement

Project: Find the Root Cause

Use evidence and appropriate analysis to identify likely root causes.

[Open Week 3 navigation](#) | [Open course work](#)
[View / Download Week 3 Project \(PowerPoint\)](#)
[YouTube peer review support](#)

[Upload Week 3 project in the course portal](#)

Week 4: Operational Management Certification

Project: Improve Your Process

Compare improvement options and document a pilot or improvement plan.

[Open Week 4 navigation](#) | [Open course work](#)
[View / Download Week 4 Project \(PowerPoint\)](#)
[YouTube peer review support](#)

[Upload Week 4 project in the course portal](#)

Weeks 5-8

Click a blue link to open your course, project file, or peer support page.

Week 5: Intermediate Excel Professional

Project: Sustain Your Improvement and Complete Your Project
Document results, ownership, measures, and your control plan.

[Open Week 5 navigation](#) | [Open course work](#)
[View / Download Week 5 Project \(PowerPoint\)](#)
[YouTube peer review support](#)

[Upload Week 5 project in the course portal](#)

Week 6: Business

Project: Business Impact and Project Presentation
Explain the business impact, supporting evidence, and limitations.

[Open Week 6 navigation](#) | [Open course work](#)
[View / Download Week 6 Project \(PowerPoint\)](#)
[YouTube peer review support: link pending.](#)

[Upload Week 6 project in the course portal](#)

Week 7: Scrum Agile Master

Project: Present Your Recommendations to Leadership
Build your leadership presentation with recommendations and useful visuals.

[Open Week 7 navigation](#) | [Open course work](#)
[View / Download Week 7 Project \(PowerPoint\)](#)
[YouTube peer review support](#)

[Upload Week 7 project in the course portal](#)

Week 8: Final Project Review & Submission

Project: Final Project Review and Submission
Review your complete project, resolve gaps, and submit your final package.

[Open Week 8 navigation](#) | [Open course work](#)
[View / Download Week 8 Project \(PowerPoint\)](#)
[YouTube peer review support](#)

[Upload your final project in the course portal](#)

After Week 8: certification examination

Submit your final project before continuing. Open the final exam tab or open the Certified Lean Six Sigma Black Belt Exam. Review the assessment and credential requirements in your enrolled course. Week 4 provides Operations Manager certification course access.