

SkillUp

ASQ-Certified Six Sigma Yellow Belt Exam Prep Specialization

Specialization

Prepare for Six Sigma Yellow Belt certification. Master Six Sigma methodologies and become a specialist in process improvement and operational excellence



Instructors: SkillUp +1 more

1,588 already enrolled

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3 course series

Get in-depth knowledge of a subject

5.0 ★

(10 reviews)

Beginner level

Recommended experience ⓘ

4 weeks to complete

at 10 hours a week

Flexible schedule

Learn at your own pace

What you'll learn

- ✓ Describe the fundamentals of Lean Six Sigma methodology and its application.
- ✓ Explain the DMAIC framework and its role in process improvement.
- ✓ Implement the relevant tool to conduct root cause analysis for identifying the underlying causes in your process.

Skills you'll gain

Lean Six Sigma, Root Cause Analysis, Statistical Hypothesis Testing, Continuous Improvement Process, Process Improvement, Lean Methodologies

Six Sigma Methodology, Correlation Analysis, Process Optimization, Quality Management, Process Mapping, Process Management, Process Analysis

Risk Management, Regression Analysis, Quality Improvement, Descriptive Statistics, Data Collection, Statistical Analysis, Lean Manufacturing, [View less skills](#)

Details to know



Shareable certificate

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See how employees at top companies are mastering in-demand skills





Advance your subject-matter expertise

- Learn in-demand skills from university and industry experts
- Master a subject or tool with hands-on projects
- Develop a deep understanding of key concepts
- Earn a career certificate from SkillUp

Specialization - 3 course series

Prepare for a career in the field of quality and process improvements and learn in-demand skills like Lean and Six Sigma methodologies and the DMAIC framework to get job-ready in less than 4 months.

The three courses in this specialization will prepare you to take the ASQ-certified Six Sigma Yellow Belt (CSSYB) examination. The CSSYB certification adopts the approach of advancing the concept and potential of using Six Sigma tools and methodologies within an organization. By the end of this specialization, you will be able to:

1. Describe the fundamentals of Lean and Six Sigma methodology and its application.
2. Explain the DMAIC framework and its role in process improvement.

Implement the relevant tool to conduct root cause analysis for identifying the underlying causes in your process.

Each course in this specialization blends instructional material, assessments, and a final hands-on peer review assignment, and is best suited for employees who are interested in diving deep into the quality aspect of their process, understanding Six Sigma, or supporting quality projects led by Green Belts or Black Belts to enhance the overall quality and bring cost efficiencies.

Applied Learning Project

Each course in this specialization concludes with a hands-on peer-review assignment. This end-term project incorporates the learnings of the entire course and is reviewed by your peers to foster learning and feedback.

The peer-reviewed assignments will help you to:

- Gain a comprehensive assessment for your assignment with diverse feedback
- Actively learn with a highly engaging process of peer reviews
- Gain a collaborative learning experience

The end-term projects are based on:

- Six Sigma tools and methodologies
- Phases and implementation of the define, measure, analyze, improve, and control (DMAIC) approach

[Read less](#)



[Intro to Lean Six Sigma and Project Identification Methods](#)

Course 1 • 7 hours

[Course details ▾](#)

What you'll learn

- ✓ Identify the problem or opportunity to be addressed and then define specific and measurable goals for the project.
- ✓ Develop a project charter, including its objectives, scope, and required resources.
- ✓ Identify the needs and expectations of the customers directly affected by the problem or process under consideration.

- ✓ Create a high-level process map to visualize the process flow and identify areas for improvement.

Skills you'll gain

Lean Six Sigma Process Mapping Process Improvement Risk Management Business Requirements Performance Measurement
Business Risk Management Process Analysis Quality Improvement Project Documentation Customer Analysis Continuous Improvement Process
Business Process Project Management Project Scoping Key Performance Indicators (KPIs) Project Planning



Data Collection and Root Cause Analysis

Course 2 • 7 hours

[Course details ^](#)

What you'll learn

- ✓ Define data requirements to gather relevant data from the process using appropriate data collection methods.
- ✓ Calculate baseline process performance metrics based on the collected data.
- ✓ Analyze data for variations and use data analysis tools and techniques to identify the root causes for the problem or variation.

Skills you'll gain

Pareto Chart Statistical Hypothesis Testing Data Collection Regression Analysis Root Cause Analysis Correlation Analysis Descriptive Statistics
Statistical Analysis Process Improvement Lean Six Sigma Data Analysis Process Analysis Statistical Inference Six Sigma Methodology



Improvement Techniques and Control Tools

Course 3 • 8 hours

[Course details ^](#)

What you'll learn

- ✓ Implement the identified solutions to bring improvement by making process amendments and introducing new tools or technologies.
- ✓ Optimize the process to maximize the impact of the improvement solutions.
- ✓ Define and implement control measures to monitor the process and ensure it stays on track.
- ✓ Implement mechanisms to sustain the improvements over the long term.

Skills you'll gain

Lean Manufacturing Process Improvement Lean Methodologies Quality Control Waste Minimization Continuous Improvement Process
Employee Training Process Management Process Optimization Six Sigma Methodology Quality Improvement



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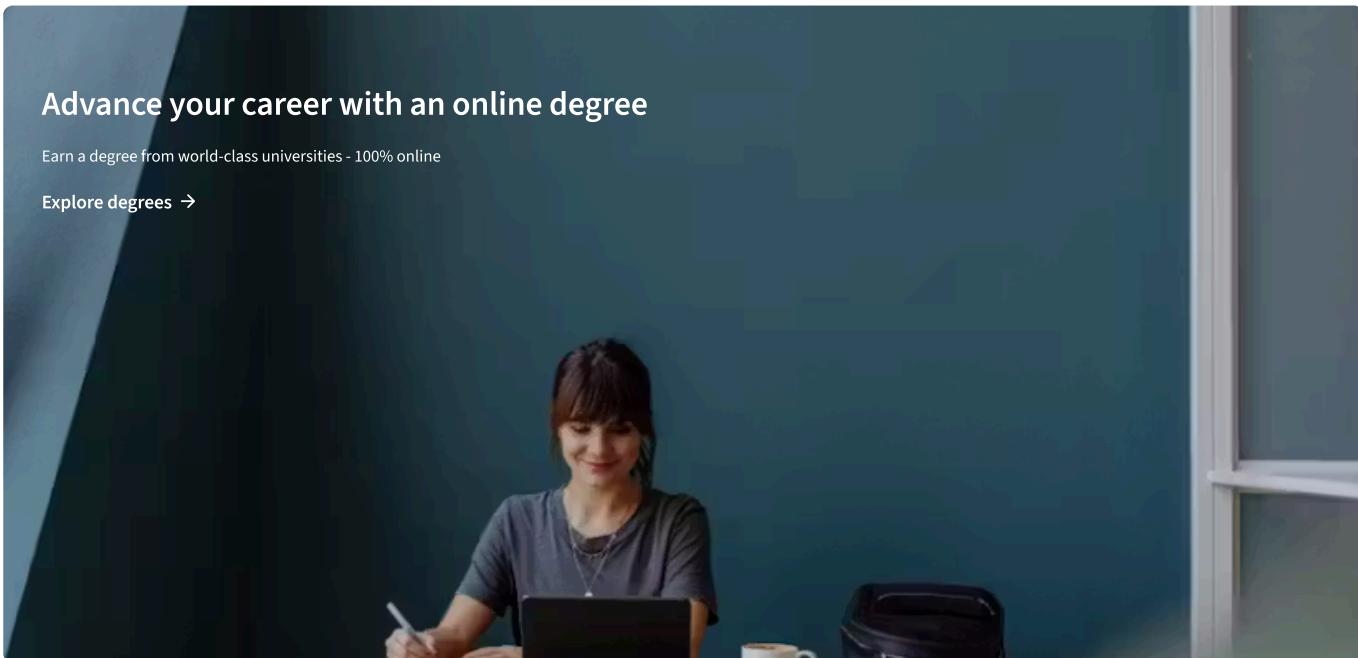
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Frequently asked questions

^ What are the details of the Six Sigma Yellow Belt Certification/Exam?

Certification: Six Sigma Yellow Belt Certification (CSSYB)

To enroll for a CSSYB certification: Candidates could be entry-level employees who may have a role, interest, or specific need to gain foundational knowledge of Six Sigma. They could also be professionals who need to gain an overview of Six Sigma and the define, measure, analyze, improve, and control (DMAIC) model to comprehend and implement quality initiatives in their role.

To obtain this certification, the candidates need to pass the CSSYB exam, which includes two parts: a computer-delivered exam and a paper and pencil-exam.

^ Which jobs does this specialization prepare me for?

After completing this specialization, the learners can apply for the following common job functions:

- Administrator
- Champion
- Executive
- First-line Operator
- Inspector
- Junior-Level Employee
- Manager
- Project Manager
- Quality Analyst
- Representative

^ What background knowledge is necessary?

To do this specialization, learners should be entry-level employees who seek to improve or advance their profession or career and are interested in diving deep into the quality aspect of their function or understanding of Six Sigma.

Show all 12 frequently asked questions ▾

More questions

② [Visit the learner help center](#)

Financial aid available, [learn more](#)

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