



# ASQ-Certified Six Sigma Yellow Belt Exam Prep Specialization

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



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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.
- ✓ Implement the relevant tool to conduct root cause analysis for identifying the underlying causes in your process.
- ✓ Explain the DMAIC framework and its role in process improvement.

## 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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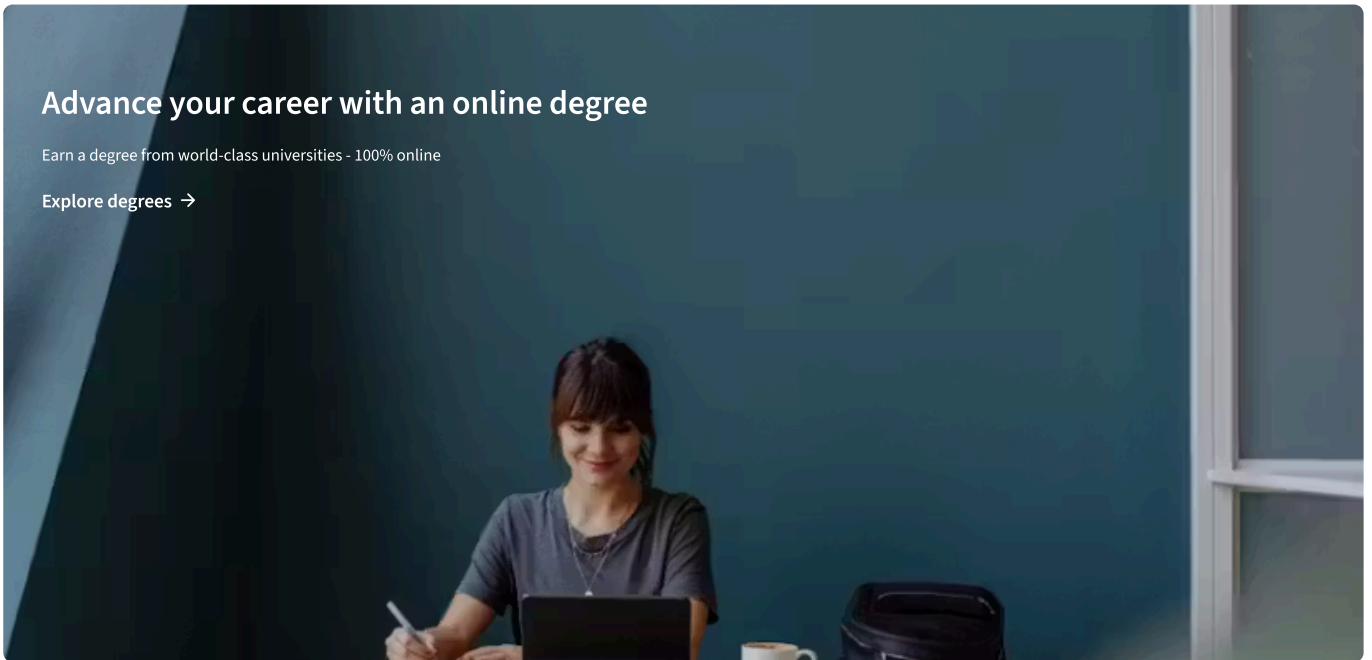
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## Frequently asked questions

### ^ 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



[Visit the learner help center](#)

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#### Skills

Artificial Intelligence (AI)

Cybersecurity

#### Certificates & Programs

Google Cybersecurity Certificate

Google Data Analytics Certificate

#### Industries & Careers

Business

Computer Science

#### Career Resources

Career Aptitude Test

Data Analytics	Google IT Support Certificate	Data Science	Examples of Strengths and Weaknesses for Job Interviews
Digital Marketing	Google Project Management Certificate	Education & Teaching	High-Income Skills to Learn
English Speaking	Google UX Design Certificate	Engineering	How Does Cryptocurrency Work?
Generative AI (GenAI)	IBM Data Analyst Certificate	Finance	How to Highlight Duplicates in Google Sheets
Microsoft Excel	IBM Data Science Certificate	Healthcare	How to Learn Artificial Intelligence
Microsoft Power BI	Machine Learning Certificate	Human Resources (HR)	Popular Cybersecurity Certifications
Project Management	Microsoft Power BI Data Analyst Certificate	Information Technology (IT)	Preparing for the PMP Certification
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			What Is Artificial Intelligence?

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