

Six Sigma Certifications



The American Society for Quality (ASQ) is the world's leading authority on quality. With more than 100,000 individual and organizational members, this professional association advances learning, quality improvement, and knowledge exchange to improve business results, and to create better workplaces and communities worldwide. For more information on Six Sigma Certification and ASQ go to: www.asq.org

What is Johns Hopkins' affiliation with Six Sigma?

Johns Hopkins has licensed e-courses from Skillsoft, which offers e-courses that can be taken to earn a Six Sigma Green Belt, Black Belt, or Champion Program Certification.

What is Six Sigma?

Six Sigma is ASQ's systematic, rigorous and proven methodology focused on improving the quality of processes within an organization, and eliminating process defects. A successful implementation of these business improvement principles aligns all of a company's people, processes, and energy around a common strategy and culture. Six Sigma Methodologies are applicable to organizations across the spectrum of industries, from manufacturing to service to healthcare.

Successful Six Sigma implementations require a company-wide Six Sigma culture, with awareness and buy in from all employees in an organization. Skillsoft's Six Sigma [introduction course](#) is designed to help build a Six Sigma culture by introducing all employees in an organization to the foundation concepts of Six Sigma philosophy and process.

Six Sigma Green Belt Certification

Green Belts play a vital role in Six Sigma implementation by leading and executing the projects that improve processes, and supporting the Six Sigma culture throughout an organization.

Skillsoft offers courses that provide individuals with the concepts and philosophies necessary to support an organization's Six Sigma implementation at the Green Belt level.

Six Sigma Black Belt Certification

Six Sigma Black Belts have a thorough understanding of all Six Sigma principles, can explain its philosophies, and are the leaders of change within an organization. Skillsoft's Six Sigma Black Belt courses provide candidates with a comprehensive understanding of the Black Belt body of knowledge. Skillsoft's Black Belt courseware is mapped directly to ASQ Black Belt exam objectives, with realistic examples and simulations derived from real experiences of certified Black Belts. The courseware is mapped to the Six Sigma underlying and rigorous DMAIC model (define, measure, analyze, improve and control). While DMAIC is not the only Six Sigma methodology in use, it is certainly the most widely adopted and recognized. To download the Six Sigma Black Belt Body of Knowledge go to:

<http://www.asq.org/certification/six-sigma/bok.html>

Six Sigma Champion Program

Six Sigma implementations require strong executive and management support. Champions are upper level managers who ensure the success of a Six Sigma strategy by supporting its

implementation at all levels of an organization. Skillsoft has 4 courses that map to the Champion Program.

Recertification

To maintain a Six Sigma Black Belt certification, ASQ requires the credential holder to recertify every three years. To recertify, the ASQ certified professional must earn 18 recertification units (RUs) within the three-year certification period or retake the exam.

Recertification guidelines permit the learners to obtain 9 of the 18 required RU's via eLearning and Skillsoft offers a range of professional development courses that may be eligible for RU credits. As applicability for RUs depends upon each learner's area of study and professional development plans, learners are responsible for verifying with ASQ whether the Skillsoft course(s) they have chosen are relevant to the BOK or their own professional development. Specific information is included in the Recertification Journal/Application.

To view instructions for submitting your recertification information, go to: <http://www.asq.org/certification/recertification/rucredits/submission.html>



Six Sigma Certification Courses

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Six Sigma Green Belt Certification (SSGB)

Six Sigma and the Organization

- [Six Sigma and Lean in the Organization](#)
- [Design for Six Sigma in the Organization](#)
- [Processes and Customer Analysis in Six Sigma Projects](#)
- [Basics of Six Sigma Projects and Teams](#)
- [Tools for Planning and Managing Six Sigma Project Opportunities](#)
- [Using Six Sigma Analysis Tools and Metrics for Project Decisions](#)
- [Modeling and Analyzing Processes in Six Sigma](#)
- [Statistics and Probability in Six Sigma](#)
- [Data Classification and Collection in Six Sigma](#)
- [Summarizing and Presenting Data in Six Sigma](#)
- [Probability Distributions and Measurement Systems Analysis in Six Sigma](#)
- [Measuring Process Capability and Performance in Six Sigma](#)
- [Exploratory Data Analysis in Six Sigma](#)
- [Introduction to Hypothesis Testing and Testing for Means in Six Sigma](#)
- [Hypothesis Tests for Variances, Proportions, Anova, and Chi-Square in Six Sigma](#)
- [Design of Experiments and Validation of Solutions in Six Sigma](#)
- [Statistical Process Control and Control Plans in Six Sigma](#)
- [Using Basic Control Charts in Six Sigma](#)

Mentoring via Chat Room or eMail

- [Mentoring Six Sigma Green Belt \(SSGB\)](#)

Test Preparation e-Course

- [Test Prep Six Sigma Green Belt \(SSGB\)](#)

Six Sigma Black Belt (2007 BOK) Certification (SSBB)

Enterprise-Wide Deployment

- [Lean and Six Sigma](#)
- [Six Sigma Projects and the Black Belt Role](#)
- [Six Sigma Leadership and Change Management](#)

Organizational Process Management and Measures

- [Critical Requirements and Benchmarking for Six Sigma](#)
- [Business Performance and Financial Measures in Six Sigma](#)

Team Management

- [Forming Project Teams for Six Sigma](#)
- [Motivation and Communication in Six Sigma Teams](#)
- [Managing Six Sigma Team Performance](#)

Define

- [Using Voice of the Customer in Six Sigma](#)
- [Developing Project Charters and Tracking Six Sigma Projects](#)

Measure

- [Process Characteristics for Six Sigma](#)
- [Data Collection and Measurement in Six Sigma](#)
- [Six Sigma Measurement Systems](#)
- [Basic Statistics and Graphical Methods for Six Sigma](#)
- [Probability for Six Sigma](#)
- [Process Capability for Six Sigma](#)

Analyze

- [Correlation and Regression Analysis in Six Sigma](#)
- [Multivariate Analysis and Attribute Data Analysis in Six Sigma](#)
- [Hypothesis Testing Concepts and Tests for Means in Six Sigma](#)
- [Tests for Variances and Proportions, Anova, and Chi-Square Tests in Six Sigma](#)
- [Non-parametric Tests in Six Sigma Analysis](#)
- [Non-statistical Analysis Methods in Six Sigma](#)

Improve

- [Designing and Planning Experiments in Six Sigma](#)
- [Conducting Experiments and Analyzing Results in Six Sigma](#)
- [Improvement Methods and Implementation Issues in Six Sigma](#)

Control

- [Statistical Process Control \(SPC\) in Six Sigma](#)
- [Non-Statistical Control Tools and Maintaining Controls in Six Sigma](#)
- [Sustaining Improvements and Gains from Six Sigma Projects](#)

Design for Six Sigma (DFSS) Frameworks and Methodologies

- [Common Design for Six Sigma Methodologies, Design for X, and Robust Design](#)
- [Special Design Tools in Design for Six Sigma](#)

Six Sigma Champion Training

- [Introduction to Six Sigma for Champions](#)
- [Six Sigma Process Improvement](#)
- [Six Sigma Projects and Project Teams](#)
- [Managing and Deploying Six Sigma](#)

If the links in this file don't work for you, go to my.JohnsHopkins.edu, log in, and then try again. You should only need to do this once. If you need other technical assistance, please refer to the [Troubleshooting Guide](#).