



Leadership

for Lean Six Sigma BLACK BELT

LEARN HOW to achieve continuous improvement in your organization

In this 40-hour course, you will learn how Six Sigma and Lean methodologies are applied to high-visibility projects for continuous improvement. You will also learn the responsibilities of key people involved in driving Six Sigma and Lean initiatives.

The curriculum covers the non-statistical elements of the ASQ Black Belt Body of Knowledge, including: launching and managing projects, leading teams, performing Kano analysis, developing effective surveys, choosing metrics, calculating financial returns, performing graphical analysis, applying adult learning theory, implementing Lean tools, and leading Design for Six Sigma projects.

The course features a case study, Power Point videos, an Excel spreadsheet filled with templates, discussion assignments, and two exams. The course is self-paced—but if you need help, you will always have an instructor who is a certified Black Belt with a Ph.D. in statistics just a discussion post or email away.

All material covered in the course supports the [American Society for Quality's Black Belt body of knowledge](#).

Course information

Course format: The course is online and self-paced with instructor support and feedback. Students will submit assignments via an online discussion board and assignment tool.

Textbooks Requirements: Lean Six Sigma Leadership, Black Belt Level (paperback), by Mary McShane-Vaughn. University Training Partners Publishing (2016). [Available online](#).

Course Outline:

The course curriculum follows the chapters of the textbook:

- » Getting Started
- » Reviewing Six Sigma
- » Launching Projects
- » Capturing the Voice of the Customer
- » Choosing Metrics
- » Leading Teams
- » Managing Projects
- » Mapping & Graphing Data
- » Finding Root Causes
- » Implementing Lean
- » Training Employees
- » Designing for Six Sigma
- » Closing the Project