



UNIVERSITY OF
GEORGIA
Center for Continuing
Education & Hotel

Leadership Tools for BLACK BELTS

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, instructional videos, spreadsheet templates, graded assignments, and module quizzes. The course is self-paced—but there are live office hours weekly. If you need help, you will have an instructor who is a certified Black Belt with a Ph.D. in statistics to guide you.

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 live-online weekly office hours and instructor feedback on assignments. Students will submit assignments via an online discussion board and assignment tool.

Textbook Requirements: Lean Six Sigma Leadership Tools for Black Belts (paperback, \$44.98), by Mary McShane-Vaughn. University Training Partners Publishing (2021). [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