
MANUFACTURING & INDUSTRIAL MANAGEMENT

Six Sigma Online's Black Belt Certification curriculum rivals that of the American Society for Quality (ASQ) standard of certification for Black Belts. As a Six Sigma graduate, you will not only make an impact upon your career, but upon your life. Access to the Six Sigma Black Belt program is open to everyone and students may begin the program at any time. This course is provided in online classroom, with on-to-one faculty mentoring.

This qualification program offers the:

1. Six Sigma Black Belt Certificate

To receive the certificate in Six Sigma program, a student must complete the curriculum shown below for the applicable option.

SIX SIGMA, BLACK BELT

AIM

Six Sigma Black Belt Training & Online Certification provides you with a thorough knowledge of Six Sigma philosophies and principles (including supporting systems and tools). A certified Black Belt exhibits team leadership, understands team dynamics, and assigns their team members with roles and responsibilities. They have a complete understanding of the DMAIC model in accordance with the Six Sigma principles, have a basic knowledge of lean enterprise concepts, and they can quickly identify "non-value-added" activities.

OBJECTIVES

Upon completion of this program, candidates should be able to:

- Work with and understand customer requirements.
- Enhance the capability of processes to exceed customer expectations
- Identify projects and select project team members
- Work with sponsors to develop a Six Sigma deployment strategy
- Act as an internal consultant
- Lead Six Sigma projects
- Train/mentor/coach Green Belts and project teams
- Act as a catalyst for process improvement

- Provide teams with ongoing support and leadership
- Report and effectively communicate to a project sponsor
- Understand when and how to use Six Sigma tools

RELEVANT TEXTS

All relevant texts are available in Student's classroom. When you enter your classroom, you will note links for the course syllabus, assignments, etc. Also there is a link to e-mail your professor/instructor. All course materials are copy written and owned by the professor/instructor.

ADDITIONAL INFORMATION

You have 12 months from the date of purchase to complete your course. However, this course is designed to be completed in 16 weeks time.

STUDY GUIDE

1. STATISTICAL PROCESS CONTROL TECHNIQUES
2. PROCESS CAPABILITY ANALYSIS
3. STATISTICAL ANALYSIS OF CAUSE AND EFFECT
4. MANAGING SIX SIGMA PROJECTS

5. RISK ASSESSMENT

6. DESIGN OF EXPERIMENTS (DOE)

7. MAINTAINING CONTROL AFTER THE PROJECT

8. DESIGN FOR SIX SIGMA (DFSS)

9. LEAN MANUFACTURING AND SIX SIGMA

EXAMINATIONS & GRADING

Students should refer to Instructor's messages for weekly writing assignments and discussion questions. Satisfactory completion of one final Black Belt Project (can be hypothetical/sponsorship is not required) will lead to the Six Sigma Black Belt certification. Successful passing is of 70% of higher:

90-100% = A
80-89% = B
70-79% = C
Below 70% = Fail

ONE TIME ALL INCLUSIVE FEE: € 630