Lean Six Sigma Master Black Belt Certification Training Course

Professional Development Training Course Outline

Category	Development	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The Lean Six Sigma Master Black Belt Certification Training is the pinnacle of excellence in the world of business process improvement. This elite-level program is designed for seasoned professionals who aim to master sstrategic deployment, advanced statistical analysis, and enterprise-wide transformation. Focused on leadership, mentorship, and innovation, this training empowers experts to lead complex projects and drive measurable improvements across global organizations. With a strong emphasis on data-driven decision-making, the course equips participants with the knowledge to influence C-level strategy and enhance overall operational efficiency.

Whether you're a Black Belt professional seeking to scale your expertise or an organization aiming to build internal excellence, this comprehensive Six Sigma certification program provides the tools, techniques, and confidence to guide change at the highest level. Lean Six Sigma Master Black Belt Certification Training Course is designed to meet the growing demand for organizational transformation leaders, making it a top choice for professionals in manufacturing, IT, healthcare, finance, and more. Get certified and become a Master Black Belt thought leader in today's competitive marketplace.

Programme Curriculum

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Course Objectives

1. Master advanced Lean Six Sigma tools for enterprise-level optimization
2. Drive innovation and operational excellence through leadership
3. Apply DMAIC methodology at strategic levels
4. Facilitate Six Sigma coaching and mentorship programs
5. Lead organizational-wide Six Sigma deployments
6. Execute advanced data analytics and predictive modeling
7. Enhance project ROI with data-driven decision-making
8. Manage change and resistance in complex environments
9. Integrate Six Sigma with digital transformation efforts
10. Strengthen corporate culture with continuous improvement
11. Utilize Lean principles to eliminate waste at scale
12. Align process improvements with KPIs and business goals
13. Build Six Sigma governance models and sustainability frameworks

Target Audience

1. Lean Six Sigma Black Belts
2. Process Improvement Consultants
3. Operations Managers
4. Quality Assurance Leaders
5. Project Management Professionals
6. Senior Executives and Directors
7. Change Management Specialists
8. Engineers and Business Analysts

Course Duration: 10 days

Course Modules

Module 1: Introduction to Master Black Belt Role

- Strategic vision and Six Sigma alignment
- Overview of leadership competencies
- Role as mentor and coach
- Influence on organizational transformation
- Certification roadmap

Module 2: Advanced DMAIC Tools

- High-level Define-Measure strategies
- Process capability analysis
- Hypothesis testing
- Advanced Control Plans
- Design of Experiments (DOE)

Module 3: Leadership and Organizational Strategy

- Driving Six Sigma at executive levels
- Aligning goals with stakeholders
- Developing transformation roadmaps
- KPI and metric alignment
- Culture of accountability

Module 4: Statistical Thinking and Data Analytics

- Regression and correlation analysis
- Time series forecasting
- Predictive modeling
- Root cause analytics
- Statistical software training

Module 5: Six Sigma Governance Models

- Defining governance structure
- Review and gate control
- Risk management models
- Sustainability planning
- Portfolio management

Module 6: Coaching and Mentoring Black Belts

- Peer coaching models
- Skill assessment techniques
- Training plans and development
- Building mentorship programs

- Behavioral coaching skills

Module 7: Financial Impact Analysis

- Cost-benefit and ROI calculations
- Linking improvement to bottom-line
- Project valuation techniques
- Budget forecasting
- Financial risk analysis

Module 8: Change Management Strategies

- Stakeholder communication
- Change resistance mitigation
- Engagement planning
- Training and development models
- Reinforcement tactics

Module 9: Project Selection and Prioritization

- Criteria for project alignment
- Risk and opportunity matrices
- Resource allocation
- Prioritization tools
- Pipeline and tracking

Module 10: Advanced Lean Tools

- Value Stream Mapping (VSM)
- Kaizen events
- 5S and Visual Management
- Flow and pull systems
- Cycle time reduction

Module 11: Innovation and Design Thinking

- Creative problem solving
- Customer-centric design
- Rapid prototyping
- Design for Six Sigma (DFSS)
- Innovation pipelines

Module 12: Digital Transformation Integration

- IoT and Six Sigma
- Big Data and analytics
- AI in process improvement
- Agile-Six Sigma hybrid models
- Smart manufacturing

Module 13: Communication and Influence

- Executive presentation skills
- Influencing without authority
- Conflict resolution
- Persuasion strategies
- Reporting and dashboards

Module 14: Global Standards and Compliance

- ISO and regulatory alignment
- Global quality benchmarks
- Ethical practice in Six Sigma
- Compliance audit preparation
- International frameworks

Module 15: Capstone Project & Certification

- Real-world project execution
- Mentoring and guidance
- Final presentation
- Certification assessment
- Peer and instructor feedback

Training Methodology

- Live instructor-led sessions
- Real-world case studies
- Project mentoring, interactive simulations
- Hands-on statistical software training.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	04 Dec 2026	Online	$2,000
23 Nov 2026	04 Dec 2026	Physical	$3,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$9,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$12,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com