

ILSSI MASTER BLACK BELT

OVERVIEW OF MBB PROGRAMME
MBB BODY OF KNOWLEDGE
MBB CERTIFICATION CRITERIA
EXAMPLE QUESTIONS

CAMBRIDGE, UNITED KINGDOM



ILSSI.ORG

Why qualify as a Master Black Belt?



Qualification as a Master Black Belt is testimony to your mastery in organisational improvement. It will mark you out from the crowd.

It is an external, independent confirmation and validation of what you have achieved in your career in operational excellence so far.

Qualifying as a MBB will also...

- Boost your professional profile
- Make you a more valuable player in your organisation
- Open up new promotion and career prospects
- Expand your salary horizons



More information about MBB Pre-qualification:

mbb@ilssi.org

Overview of MBB Programme

Pre-Qualification Requirements

- Black Belt certification for at least 3 years
- 3 x operational excellence projects in which you have taken a leadership role, documented as A3 reports or similar format
- Reference from a manager or director who worked with you while a Black Belt
- A 3-hour proctored online exam with both open-ended and multiple-choice questions on the MBB Body of Knowledge

Start your application here:

<https://ilssi.org/master-black-belt-application/>



More information about MBB Pre-qualification:

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MBB Accreditation Board Interview

- Demonstrate leadership experience and coaching and mentoring skills
- Deliver a 15-minute presentation about one of your Black Belt projects to a live panel of peers
- Answer questions from a live panel of Master Black Belts and Black Belts

Schedule MBB Accreditation Board Interviews with personal mentor assigned to you

Interviews via ZOOM or live in-person (After Covid-19 restrictions are lifted)

See our Frequently Asked Questions page at:

<https://ilssi.org/mbb-faqs/>



More information about
MBB Accreditation Board Interviews

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ILSSI MASTER BLACK BELT

Expectation of Skills, Experience and Knowledge

The Master Black Belt Certification Programme is designed to assess existing Lean Six Sigma Black Belts in their leadership, coaching, communication, knowledge and problem-solving skills.

The programme is designed to test both the interpersonal and technical skills of the candidates that are essential to be a successful Master Black Belt.

To succeed as a Master Black Belt, you need to be competent when wearing many different hats...

- You need to be a problem solver
- You need to be a master of situational leadership
- You need to be confident and convincing across many audiences and circumstances
- You need to be a teacher

Expectation of Master Black Belt Skills, Experience and Knowledge include:

- Leader
- Operational Excellence
- Continuous Improvement
- Programme Manager
- Project Manager
- Problem Solver
- Strategic thinker
- Financial planner
- Statistician
- Facilitator
- Coach
- Mentor
- Change agent
- Risk Manager
- Innovator
- Salesperson

Leader



Program Manager



Project Manager



Problem Solver



Strategic Planner



COACH



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Body of Knowledge

During the course of the assessment programme, the candidate may be tested on any of the following subject matters:

- Strategic Planning / Hoshin Kanri
- Design for Six Sigma
- Theory of constraints
- Project identification
- Stakeholder management
- Change Management
- Process Capability
- Classes of Distributions
- Understanding Inference
- Hypothesis Testing
- Types of Hypothesis Test
- Regression Analysis
- Designed Experiments
- Fractional Factorial Designs
- Taguchi Designs,
- Data Collection for SPC
- CumSum and EWMA Charts
- Six Sigma (DMAIC)
- Lean (PDCA, Kaizen)
- Problem-solving methods
- Project qualification
- Risk Management
- Measurement System Analysis
- Multi-Vari Analysis
- Inferential Statistics
- Sampling Techniques
- Risk: Type 1 & Type 2
- Hypothesis Testing (Non-Normal Data)
- Correlation and Coefficients
- Experiment Design
- Full Factorial Experiments
- Confounding Effects
- Statistical Process Control (SPC)
- Control Charts

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Application and Payment

Phase 1 : £395

Once we are sure that you are the right fit for this programme, your 3 project documents will be reviewed by our panel of Master Black Belts and we will schedule you to take the Master Black Belt exam.

Start your application here : <https://ilssi.org/master-black-belt-application/>

Phase 2 : £795

Having successfully passed Stage 1, we invite you to attend an certification board of ILSSI Master Black Belts. You will also be required to make a presentation to the board about a project or a topic related to Lean Six Sigma.

Once our certification board is sufficiently confident that you meet the standards required of a Lean Six Sigma Master Black Belt you will be awarded your ILSSI Master Black Belt certification.

See FAQs : <https://ilssi.org/mbb-faqs/>

For more information :

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