



Blended Black Belt Training Agenda

Week 0

- Students receive access to online training and student materials;
- Students are assigned appropriate Six Sigma project for deployment;
- Optional two day on-site classroom sessions and workshops with Lean Six Sigma Champions and Green Belt candidates. See [Champion Agenda](#).

Assignment to be completed for Week 3:

- Complete OVERVIEW and DEFINE section Online Training topics;
- Complete Project Charter form, top-level process map, SIPOC for discussion.

Week 3 On-site Training Review / Project Consultation

* *Optional include registered Green Belt students*

Start	Monday	Tuesday	Wednesday
9:00	DMAIC Define* ➤ <i>Workshop: Review project charters.</i>	DMAIC Measure* ➤ <i>Workshop: X-Bar Charts</i>	DMAIC Measure* ➤ <i>Workshop: Process Capability</i>
10:15	<i>break</i>	<i>break</i>	<i>break</i>
10:30	DMAIC Define* ➤ <i>Workshop: Review (continued).</i>	DMAIC Measure* ➤ <i>Individuals Data</i>	DMAIC Measure* ➤ <i>Attributes Data</i>
12:00	<i>break</i>	<i>break</i>	<i>break</i>
1:00	DMAIC Measure* ➤ <i>Tools & Objectives</i>	DMAIC Measure* ➤ <i>Workshop: Individuals Data</i>	DMAIC Measure* ➤ <i>Workshop: Attributes Data</i>
2:15	<i>break</i>	<i>break</i>	<i>break</i>
2:30	DMAIC Measure* ➤ <i>X-Bar Charts</i>	DMAIC Measure* ➤ <i>Process Capability, Histograms & Probability Plots</i>	DMAIC Measure* ➤ <i>Workshop: Project baseline data collection plans</i>



Blended Black Belt Training Agenda

Assignment to be completed for Week 6:

- Conclude DEFINE stage project objectives:
 - ◇ Completed Project Charter;
 - ◇ Approval of Sponsor;
 - ◇ Assemble Team; Conduct initial meeting.
- Complete MEASURE section Online Training topics.
- Initiate and develop MEASURE stage project objectives:
 - ◇ Process Definition;
 - ◇ Metric Definition.
- Prepare 15 minute presentation including:
 - ◇ Project objectives, deliverables and schedule;
 - ◇ MEASURE stage project plan.

Week 6 WebEx Training Review / Project Consultation

- Project presentations (15 minutes each);
- Q&A of Training Topics and Project Plans.

Assignment to be completed for Week 9:

- Conclude MEASURE stage project objectives:
 - ◇ Measure Process Baseline;
 - ◇ Evaluate Measurement System.
- Prepare 15 minute presentation including:
 - ◇ MEASURE stage project findings;
 - ◇ Outstanding issues and action plan.



Blended Black Belt Training Agenda

Week 9 On-Site Training Review / Project Consultation

* *Optional include registered Green Belt students*

Start	Monday	Tuesday	Wednesday
9:00	DMAIC Measure/Analyze * ➤ <i>Project Reviews & Discussions</i>	DMAIC Analyze ➤ <i>Inference / ANOVA (Review)</i>	DMAIC Analyze ➤ <i>DOE (Review)</i>
10:15	<i>break</i>	<i>break</i>	<i>break</i>
10:30	DMAIC Measure/Analyze * ➤ <i>Project Reviews & Discussions</i>	DMAIC Analyze ➤ <i>Inference / ANOVA Workshop</i>	DMAIC Analyze ➤ <i>DOE Workshop</i>
12:00	<i>break</i>	<i>break</i>	<i>break</i>
1:00	DMAIC Analyze * ➤ <i>Value Stream Analysis (Review)</i>	DMAIC Analyze * ➤ <i>Regression (Review)</i>	DMAIC Analyze ➤ <i>DOE Workshop</i>
2:15	<i>break</i>	<i>break</i>	<i>break</i>
2:30	DMAIC Analyze * ➤ <i>VSA Workshop</i>	DMAIC Analyze * ➤ <i>Regression Workshop</i>	DMAIC Analyze/Improve ➤ <i>Project Plans</i>

Assignment to be completed for Week 12:

- Complete ANALYZE section Online Training topics.
- Initiate & develop ANALYZE stage project objectives:
 - ◊ Analyze Value Stream;
 - ◊ Propose designed experiment for data capture.

Week 12 WebEx Training Review / Project Consultation

- Project presentations (15 minutes each);
- Q&A of Training Topics and Project Plans.

Assignment to be completed for Week 15:

- Prepare 15 minute presentation including:
 - ◊ ANALYZE stage project findings (to date);
 - ◊ Outstanding issues and action plan;



Blended Black Belt Training Agenda

Week 15 WebEx Training Review / Project Consultation

- Project presentations (15 minutes each);
- Q&A of Training Topics and Project Plans.

Assignment to be completed for Week 18:

- Conclude ANALYZE stage project objectives.

Week 18 On-Site Training Review / Project Consultation

* Optional include registered Green Belt students

Start	Monday	Tuesday	Wednesday
9:00	DMAIC Analyze/Improve ➤ Project Reviews & Discussions	DMAIC Improve * ➤ FMEA Workshop (cont.)	DMAIC Improve ➤ Simulations Workshop
10:15	break	break	break
10:30	DMAIC Analyze/Improve ➤ Project Reviews & Discussions	DMAIC Improve ➤ Optimization (Review)	DMAIC Improve ➤ Simulations Workshop
12:00	break	break	break
1:00	DMAIC Improve * ➤ Tools & Objectives (Review)	DMAIC Improve ➤ Optimization Workshop	DMAIC Improve/Control ➤ Project Plans
2:15	break	break	break
2:30	DMAIC Improve * ➤ FMEA Workshop	DMAIC Improve ➤ Simulations	DMAIC Improve/Control ➤ Project Plans

Assignment to be completed for Week 21:

- Complete IMPROVE section Online Training topics;
- Initiate & develop IMPROVE stage project objectives, including:
 - ◊ Define New Process;
 - ◊ Analyze & Mitigate Failure Modes.
- Prepare 15 minute presentation including:
 - ◊ IMPROVE stage project findings (to date);
 - ◊ Outstanding issues and action plan;

Week 21 WebEx Training Review / Project Consultation

- Project presentations (15 minutes each);
- Q&A of Training Topics and Project Plans.



Blended Black Belt Training Agenda

Assignment to be completed for Week 24:

- Conclude IMPROVE stage project objectives;
- Complete CONTROL section Online Training topics;
- Develop CONTROL stage project plan.

Week 24 WebEx Training Review / Project Consultation

- Project presentations (15 minutes each):
 - IMPROVE stage project findings;
 - CONTROL stage project plan.
- Q&A of Training Topics and Project Plans.

Assignment to be completed for Week 28:

- Conclude project:
 - ◇ Implement Control Plan;
 - ◇ Document findings & lessons learned;
 - ◇ Circulate Project Assessment forms to team members and sponsors.
- Prepare Oversight Committee presentation.
 - ◇ 15 minute findings & deliverables; 15-30 minute Q&A.
- Review & prepare for IQF Certification Exam.

Week 28 WebEx Training Review / Project Consultation

- Timed trial of material to be presented to Oversight Committee.

Assignments to be completed after Week 28 (dictated by internal schedule):

- Submit completed Project Assessment forms to Oversight Committee.
- Formal project presentations:
 - ◇ 15 minute project summary, findings & deliverables; 15-30 minute Q&A;
 - ◇ Attended by team members, project sponsors, Oversight Committee;
 - ◇ Suggested awards luncheon immediately following.
- Take Certification Exam.