LEARN SIX SIGMA BLACKBELT CERTIFICATION – MEng QUALITY & RELIABILITY

The ever-changing economic landscape has forced many companies to re-examine their supply chains. Global resourcing and outsourcing of processes has been a strategy many organizations have adopted to reduce cost and to increase their global footprint. This has, however, resulted in increased process complexity and reduced customer satisfaction. In order to meet and exceed customer expectations, many companies are forced to improve quality and on-time delivery, and have looked towards Lean Six Sigma as an approach to enable process improvement.

Throughout four required online courses and a capstone experience, you will learn how to define, measure, analyze, improve, and control processes for greater resource optimization. Upon completion, you will earn the Lean Six Sigma Black Belt Graduate Certificate offered by the School of Computing, Informatics, and Decisions Systems Engineering within the Ira A. Fulton Schools of Engineering at Arizona State University.

Lean Six Sigma Certification Courses
During the W. P. Carey MBA, you will take five courses in a lock-step (sequential) format as outlined below. These courses are applicable to the MEng degree and also make up your MBA elective requirements. The classes are outlined below, but may be subject to change.

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<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
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<td>Year One</td>
<td>IEE 572 – Design of Engineering Experiments</td>
<td>IEE 570 – Statistical Process Monitoring &amp; Control</td>
<td>IEE 578 – Regression Analysis</td>
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<td>Year Two</td>
<td>Six Sigma Methodology</td>
<td>Six Sigma Capstone</td>
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Review the most current list of courses offered through the Ira A. Fulton Schools of Engineering. Your MBA electives coordinator will discuss upcoming classes for your schedule prior to each semester.

Certification Admissions Process
Once admitted to the program, you should be contacted by the Schools of Engineering with information about your faculty advisor. If you do not hear from them by the start of your program, please contact your MBA electives coordinator. Several weeks before each semester your MBA electives coordinator will let you know when to register for your next certificate course. Courses may vary and are determined by the Fulton Schools of Engineering.

Your electives coordinator will also let you know which materials are required and available in the ASU Bookstore, if any. Material costs are included in your W. P. Carey MBA program fees, so you will not incur out-of-pocket costs for materials.
More Information
Octavio Heredia
Global Outreach and Extended Education
Ira A. Fulton Schools of Engineering
(480) 965-9273
Octavio.Heredia@asu.edu

MBA/MEng Concurrent Degree
Once you have completed the five certification courses, only nine additional credit hours are required (three classes) to complete an MEng and receive a concurrent degree from ASU, working directly with the Schools of Engineering to satisfy additional requirements.

Course options may include:
- IEE 573 Reliability Engineering or IEE 598 Analyzing Time Dependent Data
- IEE 520 Data Mining
- IEE 571 Quality Management
- IEE 579 Time Series and Forecasting
- IEE 582 Response Surfaces and Process Optimization
- IEE 598 Financial Engineering
- IEE 552 Strategic Technological Planning
- IEE 585 Six Sigma Capstone Project
- IEE 545 Simulating Stochastic Systems
- IEE 574 Applied Deterministic Operations Research Models
- IEE 575 Applied Stochastic Operations Research Models
- IEE 598 Supply Chain Modeling and Analysis

Courses are subject to availability and may not be offered each semester. Discuss your schedule with your Engineering faculty advisor to determine the best courses.

Program Costs
Please contact your admissions advisor to review current tuition and fees associated with certification courses and the MBA/MEng concurrent degree.