Lean Six Sigma Black Belt (Graduate Certificate)

Program Description

Degree Awarded: Certificate Lean Six Sigma Black Belt (Certificate)

The Lean Six Sigma Black Belt graduate certificate is designed for engineers and managers who oversee tactical and strategic projects as well as various operational functions in their organizations.

The certificate program aims to provide students with a set of contemporary tools to produce measurable improvements in business processes. In particular, graduates of the certificate program gain an in-depth understanding of the Six Sigma Define, Measure, Analyze, Improve, Control process and the tools used to achieve effective process and product improvement; develop the leadership and team-building skills necessary to oversee continuous improvement projects with many stakeholders; and understand how lean principles and design for Six Sigma fit into the overall task of product and process improvement.

The culminating experience is in line with the Black Belt certification requirements used nationwide in similar certification programs.

At a Glance

- College/School: Ira A. Fulton Schools of Engineering
- Location: Tempe campus or online

Degree Requirements

15 credit hours including the required capstone courses (IEE 585)

Required Core (6 credit hours)
IEE 570 Advanced Quality Control (3)
IEE 581 Six Sigma Methodology (3)
Electives (6 credit hours)

Culminating Experience (3 credit hours)
IEE 585 Six Sigma Capstone (3)

Additional Curriculum Information
For electives, students should see the academic unit for the approved course list.

Admission Requirements

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

1. graduate admission application and application fee
2. official transcripts
3. proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Required Prerequisite Courses:
CSE 110 Principles of Programming with Java, or equivalent
IEE 380 Probability and Statistics for Engineering Problem Solving, or equivalent
MAT 267 Calculus for Engineers III, or equivalent

No more than 40 percent of coursework toward the requirements of a graduate certificate may be completed prior to admission to the certificate program.

Attend Online
ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here.

Application Deadlines

Fall

Spring

Summer

Global Opportunities

PLuS Alliance
Global Experience
Global Degree

Career Opportunities

Contact Information

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