

# SIX SIGMA CERTIFICATE

eCornell CEEM635	Project Management for Six Sigma	0
eCornell CEEM636	Six Sigma Black Belt Capstone	0

## Program Description

From healthcare, to manufacturing, to finance and IT, Six Sigma professionals are highly sought after across many industries. A Six Sigma certification can significantly increase your value as a leader, operator, or engineer.

In this program, you will develop the knowledge and skills required to earn a Six Sigma Black Belt certification. You'll begin by exploring the core statistical methodologies that underpin Six Sigma and discovering how to apply the Six Sigma tools and methodologies outlined in the ASQ Six Sigma Black Belt Body of Knowledge. You will then focus on risk identification and measurement across various contexts, enabling you to articulate the impact of risk analysis on decision making. As you examine critical best practices for project management and leadership within the Six Sigma framework, the program culminates in a capstone where you will synthesize your understanding of statistical methodologies, Six Sigma core tools, risk management, and effective project management. By the conclusion of this program, you will be well prepared to sit for the Certified Six Sigma Black Belt (CSSBB) exam and apply your knowledge in practice to your role.

## Key Takeaways

- Master core statistical methodologies that apply to Six Sigma
- Implement the core Six Sigma tools as per the ASQ Six Sigma Black Belt Body of Knowledge
- Build a comprehensive toolkit for process improvement
- Identify, measure, and mitigate risk in Six Sigma projects
- Articulate how risk analysis impacts decision making in Six Sigma projects
- Apply best practices for project management and leadership in Six Sigma projects
- Develop a comprehensive project management plan

## What You'll Earn

- Six Sigma Certificate from Cornell's College of Engineering
- 120 Professional Development Hours (12 CEUs)

## Who Should Enroll

- Engineers
- Project managers
- Business leaders
- Operations and production managers
- Product managers
- Business analysts
- Consultants
- Professionals working toward a Six Sigma certification

Code	Title	Hours
eCornell CEEM631	Six Sigma Statistics Essentials	0
eCornell CEEM632	Six Sigma Tools and Methodologies	0
eCornell CEEM633	Identifying and Measuring Risk	0
eCornell CEEM634	Risk Analysis and Six Sigma	0