

**Student Learning Outcomes Library**  
**Office of Assessment & Accreditation**  
**Indiana State University**

**Certificate in Lean Six Sigma**

**Fall 2019**

<b>Outcome</b>	<b>Related Foundational Studies or Graduate Goal</b>
<b>Relating to quality and continuous improvement, students will demonstrate:</b>	
<b>An ability to apply knowledge, techniques, skills, and modern tools of mathematics, science, engineering, and technology to solve broadly-defined engineering problems appropriate to the discipline.</b>	
<b>An ability to design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline.</b>	
<b>An ability to apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature.</b>	
<b>An ability to conduct standard tests, measurement, and experiments and to analyze and interpret the results to improve processes.</b>	

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**Foundational Studies Learning Goals**

- FS1. Solve problems.
- FS2. Evaluate ideas.
- FS3. Learn and apply knowledge and skills.
- FS4. Demonstrate appreciation for the arts.

- FS5. Embrace civic duty.
- FS6. Understand diversity.
- FS7. Act as a global citizen.
- FS8. Behave ethically.
- FS9. Cultivate wellness.
- FS10. Communicate effectively.

## **Graduate Student Learning Goals**

- G1. Demonstrate professional communication proficiencies.
- G2. Engage in and meaningfully contribute to diverse and complex communities and professional environments.
- G3. Recognize and act on professional and ethical challenges that arise in their field or discipline.
- G4. Achieve mastery of the knowledge required in their discipline or profession.
- G5. Achieve mastery of the skills (including using appropriate tools) required in their discipline or profession.