

LEARNING OUTCOMES: MECHANICAL ENGINEERING, MS

Learning Outcomes for the degree of Master of Science in Mechanical Engineering (on campus & online)

Illinois MechSE ME graduates will have:

1. A deep understanding of at least one core area of Mechanical engineering (e.g., mechanics of materials, combustion, controls and dynamics, manufacturing, fluid mechanics, solid mechanics). [MS/PhD]
2. A broader understanding of at least 1-2 areas of Mechanical Engineering that are different from the area of research of the student's thesis. [MS/PhD]
3. Ability to think critically and creatively in defining research questions and to outline strategies of inquiry. [MS/PhD]
4. Ability to document research outcomes comprehensively for publication. [MS/PhD]
5. Ability to communicate research results to scientific audience in conferences. [PhD]
6. Ability to work collaboratively with other peers. [MS/PhD]