

Kansas State University
Mechanical and Nuclear Engineering Department
Student Learning Outcomes

Name of Degree Program: Mechanical Engineering

Degree Offered: Doctorate

CIP Code:..... 140901

Graduates of the KSU MNE Department's Graduate Program, with a Doctoral Degree in Mechanical Engineering, will possess the following traits:

1. Ability to solve engineering problems using advanced mathematical, scientific, computational, and analytical methods appropriate to the Mechanical Engineering discipline.
2. Ability to synthesize and critically evaluate information pertinent to the Mechanical Engineering discipline.
3. Demonstration of expertise in one or more areas of specialization within the Mechanical Engineering discipline.
4. Ability to plan and conduct scholarly activities that make original contributions to the knowledge base in one or more areas of specialization within the Mechanical Engineering discipline.
5. Preparation for leadership and teamwork through enhanced independence, initiative, and responsibility.
6. Ability to communicate effectively both in written and oral forms.
7. Understanding of the importance of the ethical, safety, socio-economic, and environmental issues related to the Mechanical Engineering profession.
8. Recognition of the importance of life-long learning and professional service to the Mechanical Engineering profession.