

Kansas State University
Mechanical and Nuclear Engineering Department
Student Learning Outcomes

Name of Degree Program: Nuclear Engineering

Degree Offered: Doctorate

CIP Code:..... 142301

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

1. Ability to solve engineering problems using advanced mathematical, scientific, computational, and analytical methods appropriate to the Nuclear Engineering discipline.
2. Ability to synthesize and critically evaluate information pertinent to the Nuclear Engineering discipline.
3. Demonstration of expertise in one or more areas of specialization within the Nuclear 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 Nuclear 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 Nuclear Engineering profession.
8. Recognition of the importance of life-long learning and professional service to the Nuclear Engineering profession.