

Nuclear Engineering Program Outcomes

- Ability to apply knowledge of mathematics, science, and engineering.
- Ability to design and conduct experiments as well as analyze and interpret data.
- Ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
- Ability to function on multidisciplinary teams.
- Ability to identify, formulate, and solve engineering problems.
- Ability to communicate effectively.
- Ability to use techniques, skills, and modern engineering tools necessary for engineering practice.
- Ability to apply knowledge of atomic and nuclear physics to nuclear and radiological systems and processes.
- Ability to apply knowledge of transport and interaction of radiation with matter to nuclear and radiation processes.
- Ability to measure nuclear and radiation processes.
- Ability to work professionally in one or more of the nuclear or radiological fields of specialization.
- Understanding of professional and ethical responsibility.
- Broad education necessary to understand impact of engineering solutions in global, economic, environmental, and societal context. Recognition of the need for, and ability to engage in lifelong learning.
- Knowledge of contemporary issues