

## Radiation Health Physics Program Outcomes

- Ability to apply knowledge of mathematics, science, and applied sciences.
- Ability to design and conduct experiments, as well as analyze and interpret data.
- Ability to design a system, process, or program to meet desired needs.
- Ability to function on multidisciplinary teams.
- Ability to identify and solve applied science problems.
- Ability to communicate effectively.
- Ability to apply knowledge of radiation physics.
- Ability to apply knowledge of radiation biology.
- Ability to apply knowledge of radiation detection and measurements, and to successfully function in a laboratory environment.
- Ability to apply knowledge of radiation dosimetry.
- Ability to apply the principles of radiation safety and health physics.
- Ability to use techniques, skills, and modern scientific and technical tools necessary for professional practice.
- Understanding of professional and ethical responsibility.
- Broad education necessary to understand impact of solutions in global and societal context.
- Recognition of the need for, and an ability to engage in, lifelong learning.
- Knowledge of contemporary health physics issues.