

Graduate Certificate Program in Nuclear Power Engineering

Executive Summary

The objective of this project is development of innovative graduate courses in nuclear power engineering for engineering students in traditional disciplines. Courses developed to date with U.S. Nuclear Regulatory Commission (NRC) funding have a focus on safe nuclear plant operations. With continued NRC funding support, courses will be developed in:

- Nuclear Security in collaboration with the University's Center for National Preparedness;
- Nuclear Power Environmental Issues in collaboration with the Swanson School of Engineering's Mascaro Sustainability Initiative;
- Fundamentals of Nuclear Engineering; and
- Nuclear Codes and Standards in collaboration with the local nuclear industry.

A unique strength of this program is the integration of facilities and collaborative resources from the local nuclear power community (major vendor, a nuclear power plant, and a DOE lab).

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