

Nuclear Engineering Education Program for Rhode Island (NEEPRI) – Year 2

Executive Summary

The goal of this project is to continue and complete the launch of a new nuclear engineering education program in Rhode Island and expand the program to include online learning for continuing education of industry professional. This program will benefit from the recent “Renaissance of Nuclear Power” in the United States as well as our existing experienced faculty and staff and facilities including a research reactor, a renovated nuclear engineering laboratory and classroom. We also expect to draw on the operating nuclear power plants in our region (i.e., Vermont Yankee, Millstone 2&3, and Seabrook 1). By including an online component in the program, the nuclear engineering courses will be available to a much broader professional and student community.

The proposed program will provide a quick-start/short-pipe path to educating current engineering students majoring in mechanical, chemical, civil, and electrical engineering to complete a modern and relevant minor in nuclear engineering. These engineering graduates will be prepared to either enter the nuclear industry or enter graduate school in a current nuclear engineering graduate program. The online extension will allow a larger number of students to participate in the program regardless of their geographic location.

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