

Executive Summary:

Polytechnic University of Puerto Rico seeks to support ten under-represented minority graduate students to complete their master degrees in a nuclear science and engineering related discipline such as engineering (civil, computer, electrical), or computer science. These disciplines are of great importance to nuclear science and engineering fields as scientific disciplines are getting more and more intertwined. The supported students will be exposed to state-of-the-art research mentored by experienced faculty members who are already active in research and student mentoring. The support of such students in their nuclear science and engineering related disciplines is intended to feed into NRC's mission to develop a workforce capable of supporting the design, construction, operation, and regulation of nuclear facilities and the safe handling of nuclear materials. In addition to the requirements presented in the RFP, the selected students will be required to join a summer internship research opportunity at Oak Ridge National Laboratory to sharpen their qualifications and prepare them to accept a nuclear science and engineering related employment after their graduation.