

Four Year Graduate Fellowship at the University of Utah

Executive Summary:

The Utah Nuclear Engineering Program (UNEP) proposes a four-year graduate fellowship program with the objective to support seven graduate students (one PhD and six MS students) interested in nuclear power plant performance and nuclear materials detection. A four (4) year fellowship will be awarded in the opening year to a qualified PhD student. Beginning with the opening year, two (2) additional, two year fellowships will be awarded to two (2) qualified MS students each year for the first three years of this program. In addition to the awarded fellowships, supported students currently qualify for full tuition waivers. All awarded students will be supported to present their research at the national conferences. UNEP offers Master of Science, Master of Engineering and Doctor of Philosophy degrees in nuclear engineering.

The proposed fellowship program will be developed with the goal to increase a number of new students, academically talented and high performing individuals, coming from different engineering and science disciplines into our graduate program. Carefully chosen students will be guided and mentored throughout their graduate studies by faculty whose research is directly related to nuclear power plant performance and nuclear materials detection. This program will be helping in preparing selected students to step into professional leadership positions within the nuclear power and related industry therefore increasing the national nuclear engineering workforce capable of supporting the design, construction, operation, and regulation of nuclear facilities and the safe handling of nuclear materials. In addition, this program will foster collaboration between the faculty in various engineering and science disciplines with nuclear engineering faculty at the University of Utah.

Principal Investigator: Tatjana Jevremovic, Tatjana.Jevremovic@utah.edu