

## **Undergraduate Scholarships in Nuclear Engineering**

The Nuclear Engineering degree program (NE) in the Engineering Physics Department at the University of Wisconsin – Madison proposes an Undergraduate Scholarship Program in Nuclear Engineering in support of outstanding undergraduate students enrolled in our nuclear engineering degree major, with a career objective of employment in nuclear engineering related fields. The employment may be with the NRC, other Federal agencies, State agencies, Department of Energy laboratories, nuclear-related industry, or academia in the recipients' sponsored fields of study; i.e., 1-year of employment for a 2-year scholarship. The proposed program would be administered by the PI, Professor of Nuclear Engineering and Co-PI of the Wisconsin Alliance for Minority Participation (WiscAMP), a NSF Louis Stokes Alliance for Minority Participation program in coordination with the Chair of the Engineering Physics Department. The proposed scholarship program would recruit and enroll top-notch, diverse entering freshmen engineering students into the NE degree program, and would award twelve in-state full-tuition scholarships for two years to financially assist students in pursuit of their Bachelors of Science degree in Nuclear Engineering (BSNE). The recruitment, selection and program administration of the students and their progress would use the proven techniques from the EP department and the WiscAMP program. The expected duration to obtain a BSNE degree is about 4 years, depending on the students' preparation. The EP department would supplement this award, as appropriate, to allow students to complete their degree. The evaluation of the program success would be accomplished in a collaborative fashion. The PI and the EP department chair would utilize the Engineering Physics faculty, in collaboration with the WiscAMP program, to provide an ongoing review of the undergraduate students' progress toward their degree, as well as interactions with nuclear power industry during any summer internships or co-op experiences.