

**Executive Summary:**

The UML Graduate Fellowship Program in Nuclear Engineering and Health Physics will be used to attract highly qualified and motivated graduate students specifically for careers within the nuclear industry to support the design, construction, operation, and regulation of nuclear facilities and the safe handling of nuclear materials. The primary target audience for this fellowship program will be prospective and entering graduate students in the College of Engineering and in the Science Division of the College of Arts and Sciences. The programs of study in these two colleges that will be eligible for fellowships are the Nuclear Engineering Program and the Radiological Sciences Program. The primary candidates for fellowships will be applicants for a terminal master's degree in either nuclear engineering or health physics. The requested funding is \$100,000 per year for four years. This would support four fellowships per year. Because the university is willing to cost share most of the tuition and fees, the stipend associated with each fellowship should be attractive to prospective candidates. We will administer an application process and selection process aimed at selecting the best fellowship recipients. We will be assessing commitment to the nuclear field by requiring an evaluative essay and a personal interview from which we will determine commitment to the goals of the fellowship program, including an agreement for at least 6 months of employment within the nuclear industry for each year or partial year of fellowship support.

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