

Executive Summary:

Our primary objective is to provide scholarship support to undergraduate students at the Polytechnic Institute of New York University (NYU-Poly) who have demonstrated an interest in nuclear science and engineering and in related careers. Unlike programs at many other institutions, our new Interdisciplinary Minor in Nuclear Sciences and Engineering targets students who may enter the 90-95% of occupations at nuclear installations that require technical expertise other than conventional nuclear engineering. These students of engineering, science, and computer science, who have a demonstrated interest in exploring the world of nuclear science and engineering, are prime candidates for employment in the nuclear power industry, its related industries, and other industries that involve nuclear technologies. A targeted scholarship program will encourage more students to participate in the new Minor, strengthen the academic profile of participating students, and lead to more and better qualified applicants for the anticipated surge of vacancies in the nuclear industries and government as the current generation of workers begin to retire and new facilities are planned, built and operational. Since the Minor is focused on career paths that make up the vast majority of positions in the nuclear industry, NYU-Poly anticipates success in each aspect of the program: recruitment, retention, internships, and job placement.

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