

EXECUTIVE SUMMARY

Nuclear Engineering and Health Sciences NRC Scholarship Program at Purdue University

Scholarship support is requested for undergraduate bachelor degree study in the nuclear engineering or radiological health science (health physics) programs at Purdue University. These two programs are highly ranked and together constitute the largest undergraduate enrollments in the nation for programs of their type. Although administratively independent, there is close collaboration between the faculty and education programs. The two schools are connected through common faculty research, exchange of professors in teaching parts of required courses, and most importantly through a unique formal educational option that bridges both Schools in an accelerated M.S. degree option, commonly labeled the "4+1" program, for students who complete either of the undergraduate degree programs and maintain a minimum GPA of 3.0 out of 4.0. The School of Nuclear Engineering program primarily prepares graduates to work in the nuclear engineering power sector while the School of Health Sciences primarily concentrates on preparing their radiological health science program graduates for careers in reactor health physics, environmental health physics and medical health physics. The main objective of this scholarship support program is to recruit, retain, monitor and mentor students of high academic ability and performance so that they graduate to become career professionals and leaders in the nuclear power industry, government laboratories and regulatory agencies, such as the Nuclear Regulatory Commission, Environmental Protection Agency and Homeland Security.