Innovative educational activities and professional development programs have been a part of the mission of the Penn State Radiation Science and Engineering Center (RSEC) for over 60 years. Approximately 3,000 people visit the center each year, and about one-third of those visitors are pre-college students. RSEC faculty recently developed the nuclear security education program and the radiochemistry program. Laboratory courses at the RSEC include Radiation Detection and Measurement, Experiments in Reactor Physics, Reactor Operation and Testing, Nuclear and Radiochemistry, and Nuclear Security Education. In addition, supplemental experiences and tours for hundreds of Penn State undergraduate and graduate students in over 20 courses in 8 different colleges learn how nuclear technologies enhance research in their areas of study such as engineering, science, materials, earth and mineral sciences, forensics, and agriculture. The RSEC also hosts programs for professional societies, student groups within Penn State, and other institutions of higher education.

RSEC Education and Outreach personnel coordinate with Science U, the Center for Science and the Schools (CSATS) and other university programs to provide broader impact opportunities for pre-college and college level students and educators. The RSEC and its precursor institutions have provided a wide range of nuclear science outreach locally and internationally, such as the International School of Nuclear Science and Engineering, educating 175 scientists and engineers from 39 different countries, operator training and regulatory inspection programs and the Nuclear Concepts program for pre-college educators. The RSEC also conducts continuing education courses and workshops on nuclear science and reactor operations topics, tailoring the level and complexity of the laboratories based on the background and interest of the participants. Visit our website: www.rsec.psu.edu