

Nuclear Forensics Graduate Fellowship Program



SPONSORS



U.S. DEPARTMENT
OF HOMELAND SECURITY
Domestic Nuclear Detection Office

U.S. DEPARTMENT
OF DEFENSE
Defense Threat Reduction Agency

This program is designed to foster the education of highly trained personnel to meet the hiring needs of the U.S. Departments of Defense and Homeland Security (DoD/DHS) for research and development in areas related to ongoing DoD/DHS sponsored programs in nuclear forensics.

Students with undergraduate degrees in the following areas may apply:

PROGRAM ELIGIBILITY

- Physical sciences
- Life sciences
- Engineering

TECHNICAL AREAS (PARTIAL LIST)

- Physical, chemical, radiological, morphological analysis of nuclear or radioactive materials
- Chemical and radiological characterization and analytical chemistry including the examination of trace elements
- Utilization of "signatures" to identify source materials in the nuclear fuel cycle

APPLICATIONS & PROGRAM INFORMATION
AVAILABLE AT [SCUREF.ORG](https://www.scuref.org)



SOUTH CAROLINA UNIVERSITIES
RESEARCH & EDUCATION FOUNDATION

Nuclear Nonproliferation International Safeguards Graduate Fellowship Program



U.S. DEPARTMENT
OF ENERGY (DOE)

SPONSORS



NATIONAL NUCLEAR SECURITY
ADMINISTRATION (NNSA)

This program is designed to meet the Department of Energy (DOE) / National Nuclear Security Administration's (NNSA) need for appropriately and highly trained personnel for the research and development in areas related to ongoing DOE/NNSA sponsored programs in Nuclear Nonproliferation International Safeguards (NNIS).

Students with undergraduate degrees in the following areas may apply:

PROGRAM ELIGIBILITY

- Physical sciences
- Life sciences
- Engineering

TECHNICAL AREAS (PARTIAL LIST)

- Physical, chemical, and radiological analysis of nuclear or radioactive materials
- Improving and implementing key nonproliferation agreements, treaties, and technologies to support nuclear nonproliferation and arms control
- Integrating international safeguards into the early design of nuclear facilities
- Advancing analysis techniques for detecting covert or illicit nuclear activities

APPLICATIONS & PROGRAM INFORMATION
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SOUTH CAROLINA UNIVERSITIES
RESEARCH & EDUCATION FOUNDATION

Rickover Fellowships In Nuclear Engineering

SPONSOR



U.S. DEPARTMENT
OF ENERGY (DOE)

SUPPORT



KNOLLS ATOMIC POWER LABORATORY
BETTIS ATOMIC POWER LABORATORY

This program assists in preparing students for highly technical research and development roles in the field of NAVAL NUCLEAR PROPULSION and supports the advancement of a highly qualified workforce at Naval Reactor laboratories.

TECHNICAL AREAS

- Reactor physics
- Nuclear materials science and engineering
- Shielding technology
- Two-phase flow

KNOLLS ATOMIC POWER LABORATORY

knollslab.com

BETTIS ATOMIC POWER LABORATORY

bettislab.com

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SOUTH CAROLINA UNIVERSITIES
RESEARCH & EDUCATION FOUNDATION



SOUTH CAROLINA UNIVERSITIES
RESEARCH & EDUCATION FOUNDATION

Strengthening National University/Laboratory Collaboration
Through Enhanced Research and Educational Programs In
Nuclear Science and Engineering

CURRENT PROGRAM ACTIVITIES

- Rickover Graduate Fellowships
- Nuclear Forensics Graduate Fellowship Program
- Nuclear Nonproliferation International Safeguards Graduate Fellowship Program
- Nuclear Forensics Junior Faculty Awards Program
- Nuclear Forensics Education Awards Program
- Advance Placement Physics Course in Nuclear Forensics
- Logistical Support for Nuclear Energy Advisory Committee and the Blue Ribbon Commission on America's Nuclear Future
- Nuclear Science and Engineering National Workforce Survey
- Savannah River Site Internships
- Savannah River Site Task Order Research

PROGRAM SPONSORS

U.S. DEPARTMENT OF ENERGY

- Office of Nuclear Energy

NATIONAL NUCLEAR SECURITY ADMINISTRATION

- Office of International Regimes and Agreements
- Office of Nuclear Technical Forensics
- Naval Reactors

U.S. DEPARTMENT OF HOMELAND SECURITY

- Domestic Nuclear Detection Office

U.S. DEPARTMENT OF DEFENSE

- Domestic Threat Reduction Agency

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