The Division of Nuclear Chemistry and Technology of the American Chemical Society (ACS) is sponsoring two INTENSIVE six-week Summer Schools in Nuclear and Radiochemistry for undergraduates. Funding is provided by the U.S. Department of Energy.

AWARDS
Fellowships include a stipend of $3700, all tuition and fees, transportation to and from the Summer School location, housing, books, and laboratory supplies. Transferable college credit will be awarded through the ACS accredited chemistry programs at San Jose State University (7 units) or the State University of New York at Stony Brook (6 units).

QUALIFICATIONS
Candidates should be undergraduates, with an interest in nuclear science, who will complete their junior year by the Summer of 2009. They should have completed at least two years of chemistry, one year of physics, and one year of calculus. Applicants must be U.S. citizens.

SELECTION
The Summer Schools are limited to 12 students at each site. Announcement of awards will be made in mid March 2009. The summer school session will be June 14, 2009 through July 25, 2009.

COURSE DESCRIPTION
The course will consist of lectures on the fundamentals of nuclear science, radiochemistry, and their applications in related fields. Laboratory work will introduce you to state-of-the-art instrumentation and technology used routinely in basic and applied nuclear science. In addition to the formal instruction, the course will include a Guest Lecture Series and tours of nearby research centers at universities and National Laboratories. Students will meet and interact with prominent research scientists from universities and the DOE national labs who are actually working in nuclear and radiochemistry, nuclear medicine, environmental restoration, and related fields.

FUTURE RESEARCH OPPORTUNITIES
Participants in the 2009 Summer Schools will be encouraged to join a research project during the following summer at a university or federal research institution. Considerable personal assistance will be provided to secure summer positions and admission to Ph.D. and M.D. programs at leading universities.

An "Outstanding Student" is selected from each summer school site. These students will be invited to attend the following spring national meeting of the American Chemical Society with all expenses paid.

The "Outstanding Students" in the 2008 program were Nick Sharp of the University of Missouri, Columbia from the SJSU school and Julie Spector of Brown University from the BNL school. They have been invited to attend the 2009 Salt Lake City meeting of the American Chemical Society to be recognized for having achieved this distinction.

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Completed applications must be received no later than February 1, 2009

More information & downloadable forms available at:
http://www.cofc.edu/~nuclear/nukess.html