

# Radiochemistry

## Undergraduate Summer School

### Oregon State University

June 18–July 28, 2017

The Undergraduate Radiochemistry Summer School is sponsored by the U.S. Department of Energy's Office of Nuclear Energy and hosted by the Oregon State University School of Nuclear Science and Engineering and the Department of Chemistry in Corvallis, Oregon.

#### EARN CASH & COLLEGE CREDIT

**Awards include a \$4,000 stipend** as well as coverage of housing and travel costs. Upon satisfactory completion of the summer school, participating students will receive **eight transferable credits** at the 400 level.

#### QUALIFICATIONS

Candidates should be junior- or senior-level undergraduates with an interest in nuclear science, and have completed a minimum of two years of chemistry and one year of physics. Applicants must be U.S. Citizens.

#### APPLICATION AND SELECTION

**Applications are due February 28, 2017.** The summer school is limited to 12 students and acceptance notification will be sent by March 31, 2017.

**Apply now at [ne.oregonstate.edu/radiochemistryschool](http://ne.oregonstate.edu/radiochemistryschool).**

#### DESCRIPTION

Blending classwork and labwork, participants will learn the physics of nuclear structure, radioactive decay and nuclear reactions, principles of radiodetection, chemistry of actinides and fission products, production and separation of radionuclides, and radiolysis. The nuclear fuel cycle will be presented from fundamental chemistry to engineering applications.

Students will benefit from the expertise of guest lecturers from DOE national labs and collaborating university partners. They will also work on independent research projects under faculty guidance and present their results at a student conference at the end of summer school. Tours of the Hanford Site, AREVA and Energy Northwest facilities in Richland, Washington, and the Oregon State TRIGA Research Reactor in Corvallis will also take place.

In addition, students will be guided about future career options and application processes for university graduate programs in nuclear science and radiochemistry.

#### Contact

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