Catalog of Education and Training Programs

2003 Edition

Oak Ridge Institute for Science and Education
The Oak Ridge Institute for Science and Education (ORISE) is a U.S. Department of Energy institute focusing on scientific initiatives to research health risks from occupational hazards, assess environmental cleanup, respond to radiation medical emergencies, support national security and emergency preparedness, and educate the next generation of scientists. ORISE is managed by Oak Ridge Associated Universities.

This document describes activities performed under a contract between the U.S. Department of Energy and Oak Ridge Associated Universities.

It is the policy of the Oak Ridge Institute for Science and Education to recruit and select participants without regard to race, age, gender, religion, color, national origin, mental or physical disability, or special disabled or Vietnam Era veteran status.
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How to Use This Catalog

The ORISE Catalog of Education and Training Programs describes the programs that the Oak Ridge Institute for Science and Education (ORISE) manages for the U.S. Department of Energy (DOE) and other federal agencies. This book offers three different ways to help you find the program most appropriate for your specific interest and need.

The programs are divided into four major sections: Faculty Opportunities, Postgraduate Opportunities, Graduate and Undergraduate Student Opportunities, and Other Courses and Training.

If you know the name of the program in which you are interested, refer to the Alphabetical Program Listing. This list is arranged by eligibility category and includes page numbers for each program description.

If you are unsure which programs offer opportunities within your area of study, turn to the Disciplines Index. This index lists the page numbers of programs by specialty area.

Each program listing includes a brief description, eligibility requirements, disciplines, locations, application deadlines, benefits, contact names, and phone numbers. These individuals can provide you with more detailed information, brochures, applications, or whatever you may need.

DOE also participates in FEDIX, an online system set up to share information with the academic community about federal research programs. The PC-based system allows anyone with a computer, phone, and modem to access information on DOE’s Eligible Equipment Grant Access Data System and the Faculty Student Educational Programs. FEDIX also includes data from the Office of Naval Research and the National Aeronautics and Space Administration. The system is available 24 hours a day, seven days a week, at no charge except for telephone toll charges.

To reach FEDIX by Internet, go to www.id.ucsb.edu/detche/library/fedix.html. The computer phone number is (301) 258-0953, and the helpline number is (301) 975-0101. ORISE can provide information on FEDIX if you call (865) 576-3255.
For the most current program details and application information, access the *ORISE Educational and Research Experiences Web site* on the Internet at:

www.orau.gov/orise/educ.htm

This book is available in Adobe PDF format. You must have the Adobe Acrobat Reader installed to view it. If you do not have the reader, a free copy is available on the Adobe Acrobat Web Site at: www.adobe.com/prodindex/acrobat/readstep.html.
The Oak Ridge Institute for Science and Education

Filling the Need

The Oak Ridge Institute for Science and Education (ORISE) is operated by Oak Ridge Associated Universities (ORAU) for the U.S. Department of Energy (DOE). A consortium of 86 colleges and universities, ORAU was established in 1946 to link state-of-the-art government research facilities in Oak Ridge with the academic community.

Our efforts are focused in six core competency areas: fellowship and research participation program administration/evaluation; worldwide emergency response and training; radiation site characterization and cleanup verification; workforce health, safety, and security research and training; integration of scientific and technical resources; and collaborative research partnerships.

Within these areas, we support a diversity of programs, including research participation, scholarship, and fellowship programs; research initiatives in the medical and physical sciences; environmental assessments of government and industrial nuclear facilities; and hazardous materials training programs.

Setting the Standard

ORISE offers an integrated, scientific approach to basic research, applied research and analysis, technical assistance and assessment, education and training, and program management. Our programs provide high-quality, flexible, and responsive assistance to our clients. We focus on thoroughly understanding problems; assembling specialists and support staff from within ORISE, the DOE contractor system, and universities to develop solutions; and helping clients apply the results.

ORISE is committed to ensuring that research and innovation serve the needs of individuals and society. We believe that research and development are the keys to resolving problems that constrain us and to exploring new opportunities for our future.

For more information about ORISE and its programs, please visit:

www.orau.gov/orise.htm
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Faculty Opportunities
Faculty Environmental Management Participation at the U.S. Army Environmental Center

Description: opportunities to participate in environmental projects involving cultural and natural resources restoration, compliance, conservation, pollution prevention, validation, demonstration, technology transfer, quality assurance and quality control, training, information management and reporting, and related issues

Discipline(s): archaeology, biology, chemistry, ecology, engineering, entomology, environmental sciences, forestry, history, information sciences, plant pathology, wildlife biology, zoology, related scientific disciplines

Eligibility: college or university full-time faculty; U.S. citizens

Location(s): U.S. Army Environmental Center (Aberdeen Proving Ground, Maryland) and other approved locations

Duration: 10 weeks to three months; some sabbatical appointments; full-time or part-time appointments; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: negotiable stipend based on regular salary; limited travel reimbursement (round-trip transportation expenses between facility and home or campus)

Funding source(s): U.S. Army Environmental Center

Contact(s): Joanne Rasnake
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Jody Osborne
Recruiter
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Faculty Internship at the U.S. Army Center for Health Promotion and Preventive Medicine

Description: opportunities to participate in applied clinical research in areas such as occupational and environmental health engineering, entomology, ionizing and nonionizing radiation, health promotion, industrial hygiene and worksite hazards, ergonomics, environmental sanitation and hygiene, laboratory science, chemistry, biology, toxicology, health physics, environmental health risk assessment and risk communication, and related projects

Discipline(s): biological sciences, chemistry, entomology, environmental/civil/mechanical engineering, environmental sciences, industrial hygiene, medical sciences, physical sciences, toxicology

Eligibility: college or university full-time faculty; U.S. citizens

Location(s): U.S. Army Center for Health Promotion and Preventive Medicine (Aberdeen Proving Ground, Maryland) and other approved locations

Duration: 10 weeks to one year; some sabbatical appointments; full-time or part-time appointments; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: negotiable stipend based on regular salary; limited travel reimbursement (round-trip transportation expenses between facility and home or campus)

Funding source(s): U.S. Army Center for Health Promotion and Preventive Medicine

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Faculty Research Participation at the Air Force Research Laboratory, Materials Directorate, Tyndall Air Force Base

Description: opportunities to participate in research, development, test, and evaluation projects

Discipline(s): biological sciences, computer sciences, engineering, environmental sciences, physical sciences, related scientific disciplines

Eligibility: college or university full-time faculty; U.S. citizens preferred

Location(s): Air Force Research Laboratory (AFRL) Materials Directorate (Tyndall Air Force Base, Florida)

Duration: 10 weeks to one year; some sabbatical appointments; full-time appointments; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: negotiable stipend based upon regular salary; limited travel reimbursement (round trip transportation expenses between facility and home or campus)

Funding source(s): Air Force Research Laboratory Materials Directorate, Tyndall Air Force Base

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Faculty Research Participation at the Centers for Disease Control and Prevention

Description: opportunities to conduct research on infectious diseases, environmental health, epidemiology, or occupational safety and health

Discipline(s): communications, economics, environmental health, epidemiology, health sciences, life sciences, medical sciences, occupational safety and health, physical sciences, related scientific disciplines

Eligibility: college or university full-time faculty

Location(s): Centers for Disease Control and Prevention (Atlanta, Georgia and Morgantown, West Virginia)

Duration: 10 weeks to three months; some sabbatical appointments up to one year; full-time or part-time appointments

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: negotiable stipend based on regular salary

Funding source(s): Centers for Disease Control and Prevention

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Mona Carrasco Program Specialist carrasco@orau.gov (865) 576-3383
Faculty Research Participation at the Federal Bureau of Investigation, Counterterrorism/Forensic Science Research Unit

Description: opportunities to participate in advancement of forensic science for the Federal Bureau of Investigation Laboratory as well as federal, state, and local law enforcement agencies

Discipline(s): forensic sciences, toxicology, all chemistry and biology subdisciplines

Eligibility: college or university full-time faculty; U.S. citizens only

Location(s): Federal Bureau of Investigation Academy (Quantico, Virginia)

Duration: 10 weeks to one year; some sabbatical appointments; full-time or part-time appointments

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: negotiable stipend based on regular salary; limited reimbursement (round-trip transportation expenses between facility and home or campus)

Funding source(s): Federal Bureau of Investigation

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**Faculty Research Participation at the National Center for Toxicological Research**

**Description:** opportunities to participate in research on biological effects of potentially toxic chemicals and solutions to toxicology problems that have a major impact on human health and the environment

**Discipline(s):** biological sciences, chemistry, computer sciences, mathematics, medicine, pharmacology, toxicology, related scientific disciplines

**Eligibility:** college or university full-time faculty

**Location(s):** National Center for Toxicological Research (Jefferson, Arkansas)

**Duration:** 10 weeks to three months; some sabbatical appointments

**Frequency:** continuing

**Awards made:** number varies

**Deadline(s):** applications accepted on an on-going basis

**Benefits:** negotiable stipend based on regular salary; limited travel reimbursement (round-trip transportation expenses between facility and home or campus)

**Funding source(s):** U.S. Food and Drug Administration

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Faculty Research Participation at the U.S. Air Force Institute for Environment, Safety and Occupational Health Risk Analysis

Description: opportunities to participate in research in such areas as environmental health engineering, occupational and environmental health, industrial hygiene and worksite hazards, psychology, and laboratory services

Discipline(s): engineering, environmental sciences, health sciences, life sciences, physical sciences, related scientific disciplines

Eligibility: college or university full-time faculty; U.S. citizens

Location(s): Brooks Air Force Base (San Antonio, Texas) and other approved locations

Duration: 10 weeks to one year; some sabbatical appointments; full-time or part-time appointments; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: negotiable stipend based upon regular salary; limited travel reimbursement (round trip transportation expenses between facility and home or campus)

Funding source(s): U.S. Air Force Institute for Environment, Safety and Occupational Health Risk Analysis

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Faculty Research Participation at the
U.S. Army Central Identification Laboratory,
Hawaii

Description: opportunities to participate in research to locate, exhume, and identify the remains of individuals killed during military service

Discipline(s): anthropology, DNA identification, forensic anthropology, forensic dentistry, related scientific disciplines

Eligibility: college or university full-time faculty; U.S. citizens preferred

Location(s): Central Identification Laboratory (Hickam Air Force Base, Hawaii)

Duration: 10 weeks to one year; some sabbatical appointments; full-time appointments; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: negotiable stipend based on regular salary; limited travel reimbursement (round-trip transportation expenses between facility and home or campus)

Funding source(s): U.S. Army

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Faculty Research Participation at the U.S. Army Edgewood Chemical Biological Center

Description: opportunities to participate in research and development in support of military missions

Discipline(s): biological sciences, computer sciences, engineering, environmental sciences, physical sciences, related scientific disciplines

Eligibility: college or university full-time faculty

Location(s): U.S. Army Edgewood Chemical Biological Center (Aberdeen Proving Ground, Maryland)

Duration: 10 weeks to one year; some sabbatical appointments; full-time or part-time appointments; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: negotiable stipend based on regular salary; limited travel reimbursement (round-trip transportation expenses between facility and home or campus)

Funding source(s): U.S. Army Edgewood Chemical Biological Center

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Jody Osborne
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Faculty Research Participation at the U.S. Army Medical Research Institute of Chemical Defense

Description: opportunities to participate in development of medical countermeasures to chemical warfare agents

Discipline(s): biological, medical, and physical science; related scientific disciplines

Eligibility: college or university full-time faculty; U.S. citizens

Location(s): U.S. Army Medical Research Institute of Chemical Defense (Aberdeen Proving Ground, Maryland)

Duration: 10 weeks to three months; some sabbatical appointments; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: negotiable stipend based on regular salary; limited travel reimbursement

Funding source(s): U.S. Army Medical Research Institute of Chemical Defense

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Faculty Research Participation at the
U.S. Army Research Laboratory

Description: opportunities to participate in research and technology development in engineering, mechanics, chemistry, computational modeling, science, and materials research related to enhancing the lethality and survivability of America's ground forces

Discipline(s): physical, biological, and medical sciences; computer/information science and technology; computational modeling; materials research; and related scientific disciplines

Eligibility: college or university full-time faculty; U.S. citizens

Location(s): U.S. Army Research Laboratory (Aberdeen Proving Ground, Maryland) and other approved locations

Duration: 10 weeks to one year; some sabbatical appointments; full-time or part-time appointments; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: negotiable stipend based on regular salary; limited travel reimbursement (round-trip transportation expenses between facility and home or campus)

Funding source(s): U.S. Army Research Laboratory

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Higher Education Research Experiences at Oak Ridge National Laboratory for Faculty

Description: opportunities to participate in on-going energy research

Discipline(s): computer sciences, earth sciences, engineering, life sciences, mathematics, physical sciences, related scientific disciplines

Eligibility: college or university full-time faculty; U.S. citizens or permanent residents

Location(s): Oak Ridge National Laboratory (Oak Ridge, Tennessee)

Duration: summer appointments 10 to 12 weeks; some sabbatical appointments six to 12 months; some intermittent appointments

Frequency: annually

Awards made: number varies

Deadline(s): first Monday in February

Benefits: stipend based on regular salary; limited travel reimbursement

Funding source(s): Oak Ridge National Laboratory

Contact(s): Kathy Ketner
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Kay Ball
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Higher Education Research Experiences at
Oak Ridge National Laboratory for Research
Visits

Description: opportunities to make short, collaborative research visits to research and development facilities

Disciplines: computer sciences, earth sciences, engineering, life sciences, mathematics, physical sciences, related scientific disciplines

Eligibility: full-time college or university faculty and graduate students; U.S. citizens or permanent residents

Location(s): Oak Ridge National Laboratory (Oak Ridge, Tennessee)

Duration: one day to three weeks

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: limited reimbursement for travel and living expenses while conducting research at the laboratory

Funding source(s): Oak Ridge National Laboratory

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National Energy Technology Laboratory
Faculty Research Participation Program

Description: opportunities to participate in on-going energy research and development

Discipline(s): chemistry, computer science, engineering, environmental sciences, mathematics, physics, statistics

Eligibility: college or university full-time faculty; U.S. citizens

Location(s): National Energy Technology Laboratory (Pittsburgh, Pennsylvania and Morgantown, West Virginia)

Duration: 10 weeks to three months; some sabbatical appointments; full-time or part-time

Frequency: continuing

Awards made: number varies

Deadline(s): first Monday in February for summer appointments; other applications accepted on an on-going basis

Benefits: negotiable stipend based on regular salary; limited travel reimbursement (round-trip transportation expenses between facility and home or campus); participants with sabbatical leave appointments are expected to have at least one-half of their salaries paid by their home institutions

Funding source(s): National Energy Technology Laboratory

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Kay Ball
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Description: opportunities to participate in on-going research and development programs

Discipline(s): computer science, health care, library science, medical education, medical informatics, related scientific disciplines

Eligibility: faculty or research staff members at accredited colleges, universities, or technical institutes

Location(s): National Library of Medicine (Bethesda, Maryland); some on-campus appointments

Duration: short-term visits; summer; sabbaticals

Frequency: continuing

Awards made: varies

Deadline(s): varies

Benefits: stipend based on degree, research area, and experience

Funding source(s): National Library of Medicine

Contact(s): Elizabeth Kittrell
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            Barbara Dorsey
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National Library of Medicine National Center for Biotechnology Information Scientific Visitors Program

Description: opportunities to participate in informatics research and training programs

Discipline(s): biochemistry, computer science, mathematics, medical research, molecular biology, structural biology

Eligibility: faculty, postdoctorals, and research scientists

Location(s): National Center for Biotechnology Information (National Library of Medicine, Bethesda, Maryland)

Duration: periodic visitations; some long-term appointments up to one year

Frequency: continuing

Awards made: varies

Deadline(s): applications accepted on an on-going basis

Benefits: for periodic visits, limited travel reimbursement; for long-term appointments, negotiable stipends based on regular salary, research area, and experience

Funding source(s): National Library of Medicine

Contact(s): Elizabeth Kittrell
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            Barbara Dorsey
            Sr. Program Specialist
            dorseyb@orau.gov
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National Oceanic and Atmospheric Administration Faculty Research Participation Program

Description: opportunities to participate in research and development relating to science, math, and engineering

Discipline(s): engineering, life sciences, physical sciences

Eligibility: college or university full-time faculty; U.S. citizens or permanent residents

Location(s): National Oceanic and Atmospheric Administration headquarters (Silver Springs, Maryland) and field centers

Duration: 10 weeks in the summer; some on-campus support to continue research begun during the summer

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: normal salary rate; limited travel reimbursement (round-trip transportation expenses between facility and home or campus)

Funding source(s): National Oceanic and Atmospheric Administration

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Nuclear Regulatory Commission Historically Black Colleges and Universities Faculty Research Participation Program

Description: opportunities to participate in on-going Nuclear Regulatory Commission research and development

Discipline(s): physical sciences, computer sciences, engineering, geosciences, health physics, mathematics, molecular/radiation biology, materials science, statistics-related nuclear material control, accounting

Eligibility: full-time faculty from historically black colleges or universities; U.S. citizens or legal permanent residents

Location(s): Laboratories where Nuclear Regulatory Commission research is being conducted. Some appointments at Historically Black Colleges and Universities; some campus appointments at host universities under the guidance of principal investigators who have Nuclear Regulatory Commission research grants

Duration: 10 to 12 weeks for summer appointments; some nine-to-12 month on-campus appointments

Frequency: annually

Awards made: number varies

Deadline(s): third Tuesday in January

Benefits: stipend of $3,800 per month or normal monthly salary rate, whichever is greater; limited travel reimbursement (round-trip transportation expenses between facility and home or campus)

Funding source(s): U.S. Nuclear Regulatory Commission

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Oak Ridge National Laboratory/Oak Ridge Associated Universities Historically Black Colleges and Universities and Minority Education Institutions Faculty Summer Research Program

Description: opportunities to collaborate on specific research projects at Oak Ridge National Laboratory to foster long-term relationships with the laboratory

Discipline(s): physical sciences, life sciences, computer sciences, related disciplines

Eligibility: full-time faculty at institutions of higher learning that are designated by the federal government as Historically Black Colleges and Universities, Hispanic-Serving Institutions, or Tribal Colleges and Universities

Location(s): Oak Ridge National Laboratory (Oak Ridge, Tennessee)

Duration: 10 weeks in summer

Frequency: annually

Awards made: limited number

Deadline(s): see Web site at www.orau.gov/orise/edu/ornl/mei/index.htm

Benefits: stipend based on academic salary; limited travel reimbursement; limited dislocation allowance

Funding source(s): Oak Ridge National Laboratory and Oak Ridge Associated Universities

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Savannah River Site Faculty Research Participation Program

Description: opportunities to participate in on-going energy research

Discipline(s): chemistry, computer sciences, engineering, environmental sciences, geology, physics

Eligibility: college or university full-time faculty; U.S. citizens

Location(s): Savannah River Site (Aiken, South Carolina)

Duration: 10 weeks to three months; some sabbatical appointments; full-time or part-time

Frequency: continuing

Awards made: number varies

Deadline(s): first Monday in February for summer appointments; other applications accepted on an on-going basis

Benefits: negotiable stipend based on regular salary; limited travel reimbursement (round-trip transportation expenses between facility and home or campus); participants with sabbatical leave are expected to have at least one-half of their salaries paid by their home institutions

Funding source(s): Savannah River Site

Contact(s): Kathy Ketner
Project Manager
ketnerk@orau.gov
(865) 576-3426

Kay Ball
Program Specialist
ballk@orau.gov
(865) 576-8807
University Radioactive Ion Beam Consortium

Description: opportunities for basic research on rare, short-lived atomic nuclei at the Holifield Radioactive Ion Beam Facility

Discipline(s): nuclear physics, nuclear chemistry

Eligibility: faculty members, graduate and postgraduate students, research fellows

Location(s): Holifield Radioactive Ion Beam Facility at Oak Ridge National Laboratory (Oak Ridge, Tennessee)

Duration: extended short-term collaboration

Frequency: specified times, but variable

Awards made: number varies

Deadline(s): ask for current deadlines

Benefits: use of sophisticated, state-of-the-art, unique experimental nuclear equipment

Funding source(s): U.S. Department of Energy, Office of Science; University Radioactive Ion Beam member institutions

Contact(s): H. Kennon Carter
Program Manager
carterk@orau.gov
(865) 576-2642
Postgraduate Opportunities
Fusion Energy Postdoctoral Research

Description: opportunities to participate in fusion energy research and development programs

Discipline(s): related scientific or engineering disciplines

Eligibility: must have completed doctoral degree within last three years

Location(s): laboratories and contractor sites supported by the U.S. Department of Energy’s Office of Fusion Energy Sciences

Duration: one year; renewable

Frequency: annually

Awards made: number varies

Deadline(s): Feb. 1

Benefits: annual stipend of $50,400; limited reimbursement for inbound travel, moving, and medical insurance

Funding source(s): U.S. Department of Energy, Office of Fusion Energy Sciences

Contact(s): Linda McCamant
Group Manager
mccamanL@orau.gov
(865) 576-1089

Mona Carrasco
Program Specialist
carrascr@orau.gov
(865) 576-3383
Higher Education Research Experiences at Oak Ridge National Laboratory for Students

Description: opportunities to participate in energy-related research

Discipline(s): computer sciences, earth sciences, engineering, life sciences, mathematics, physical sciences, related scientific disciplines

Eligibility: undergraduate students, post-associates, post-baccalaureates, graduate students; U.S. citizens or permanent residents

Location(s): Oak Ridge National Laboratory (Oak Ridge, Tennessee)

Duration: term varies with academic level; full-time or part-time

Frequency: continuing

Awards made: number varies

Deadline(s): Feb. 1, June 1, Oct. 1

Benefits: weekly stipend varies with academic level; limited travel reimbursement; housing allowance

Funding source(s): Oak Ridge National Laboratory

Contact(s): Kathy Ketner
Project Manager
ketnerk@orau.gov
(865) 576-3426

Cheryl Terry
Program Specialist
terryc@orau.gov
(865) 576-3427
National Energy Technology Laboratory
Postgraduate Research Program

Description: opportunities to participate in research in advanced energy technologies and procedures

Discipline(s): chemistry, computer science, engineering, environmental sciences, geology, mathematics, physics, statistics

Eligibility: must have completed graduate degree within last three years

Location(s): National Energy Technology Laboratory (Pittsburgh, Pennsylvania and Morgantown, West Virginia)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area and degree; limited reimbursement for inbound travel and moving; limited stipend supplement for medical insurance

Funding source(s): National Energy Technology Laboratory

Contact(s): Kathy Ketner
Project Manager
ketnerk@orau.gov
(865) 576-3426

Kay Ball
Program Specialist
ballk@orau.gov
(865) 576-8807
National Energy Technology Laboratory
Professional Internship Program

Description: opportunities to participate in energy-related research

Discipline(s): chemistry, computer science, engineering, environmental sciences, geology, mathematics, physics, statistics

Eligibility: undergraduate students, post-baccalaureates, graduate students; U.S. citizens

Location(s): National Energy Technology Laboratory (Pittsburgh, Pennsylvania and Morgantown, West Virginia)

Duration: three to 24 consecutive months; full-time or part-time

Frequency: continuing

Awards made: number varies

Deadline(s): Feb. 15, June 1, Oct. 1

Benefits: weekly stipend; limited travel reimbursement (round-trip transportation expenses between facility and home or campus); off-campus tuition and fees may be paid

Funding source(s): National Energy Technology Laboratory

Contact(s): Kathy Ketner
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ketnerk@orau.gov
(865) 576-3426

Kay Ball
Program Specialist
ballk@orau.gov
(865) 576-8807
National Library of Medicine Associate Fellowship Program

Description: opportunities to participate in a one- to two-year postgraduate training fellowship to prepare librarians for future leadership roles in health science libraries

Discipline(s): library science

Eligibility: U.S. citizens with a recent master's degree from an accredited library association school

Location(s): National Library of Medicine (Bethesda, Maryland)

Duration: one year; renewable

Frequency: annually

Awards made: eight

Deadline(s): Feb. 14

Benefits: annual stipend of $38,406 to $39,686

Funding source(s): National Library of Medicine

Contact: Elizabeth Kittrell
Project Manager
kittrell@orau.gov
(865) 241-3319

Barbara Dorsey
Sr. Program Specialist
dorseyb@orau.gov
(865) 576-9975
National Library of Medicine National Center for Biotechnology Information Scientific Visitors Program

Description: opportunities to participate in informatics research and training programs

Discipline(s): biochemistry, computer science, mathematics, medical research, molecular biology, structural biology

Eligibility: faculty, postdoctorals, and research scientists

Location(s): National Center for Biotechnology Information (National Library of Medicine, Bethesda, Maryland)

Duration: periodic visitations; some long-term appointments up to one year

Frequency: continuing

Awards made: varies

Deadline(s): applications accepted on an on-going basis

Benefits: for periodic visits, limited travel reimbursement; for long-term appointments, negotiable stipends based on degree, research area, and experience

Funding source(s): National Library of Medicine

Contact(s): Elizabeth Kittrell
Project Manager
kittrell@orau.gov
(865) 241-3319

Barbara Dorsey
Sr. Program Specialist
dorseyb@orau.gov
(865) 576-9975
National Library of Medicine Postdoctoral Research Participation Program

Description: opportunities to participate in on-going research and development programs

Discipline(s): medical informatics, library science, medical education, health care, computer science, related scientific disciplines

Eligibility: recent recipients of Ph.D. or medical degrees

Location(s): National Library of Medicine (Bethesda, Maryland)

Duration: one year; renewable

Frequency: continuing

Awards made: varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on degree, research area, and experience

Funding source(s): National Library of Medicine

Contact(s): Elizabeth Kittrell
            Project Manager
            kittrell@orau.gov
            (865) 241-3319

            Barbara Dorsey
            Sr. Program Specialist
            dorseyb@orau.gov
            (865) 576-9975
National Library of Medicine Postgraduate Student Research Participation Program

Description: opportunities to participate in on-going research and development programs

Discipline(s): medical informatics, library science, medical education, health care, computer science, related scientific disciplines

Eligibility: recent recipient of master’s degree

Location(s): National Library of Medicine (Bethesda, Maryland)

Duration: one year; renewable

Frequency: continuing

Awards made: varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on degree, research area, and experience

Funding source(s): National Library of Medicine

Contact(s): Elizabeth Kittrell
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(865) 241-3319

Barbara Dorsey
Sr. Program Specialist
dorseyb@orau.gov
(865) 576-9975
Oak Ridge National Laboratory Advanced Short-Term Research Opportunity

Description: opportunities to conduct research in areas that support ORNL missions in the basic and applied sciences, energy, and the environment

Discipline(s): computer sciences, earth sciences, engineering, environmental sciences, life sciences, mathematics, physical sciences, related scientific disciplines

Eligibility: must have completed graduate degree within last five years

Location(s): Oak Ridge National Laboratory (Oak Ridge, Tennessee)

Duration: six months; renewable for one period of three months

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and degree; limited reimbursement for inbound travel and moving

Funding source(s): Oak Ridge National Laboratory

Web site: www.orau.gov/orise/education/ornl/ASTRO/astrohome.htm

Contact(s): Bonnie DeJarnette
Program Specialist
dejarneb@orau.gov
(865) 241-4832
Oak Ridge National Laboratory Postdoctoral Research Associates

Description: opportunities to participate in research in a broad range of science and engineering activities related to basic sciences, energy, and the environment

Discipline(s): computer sciences, earth sciences, engineering, environmental sciences, life sciences, mathematics, physical sciences, related scientific disciplines

Eligibility: must have completed a doctoral degree within last five years

Location(s): Oak Ridge National Laboratory (Oak Ridge, Tennessee)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and degree; limited reimbursement for inbound travel and moving; benefits of full-time temporary employees of Oak Ridge Associated Universities

Funding source(s): Oak Ridge National Laboratory

Web site: www.orau.gov/orise/edu/ornl/ornl-pd/ornlpdoc.htm

Contact(s): Bonnie DeJarnette
Program Specialist
dejarneb@orau.gov
(865) 241-4832
Oak Ridge National Laboratory Postmaster's Research Participation Program

Description: opportunities to participate in research in a broad range of science and engineering activities related to basic sciences, energy, and the environment

Discipline(s): computer sciences, earth sciences, engineering, environmental sciences, life sciences, mathematics, physical sciences, related scientific disciplines

Eligibility: must have completed a master's degree within last five years

Location(s): Oak Ridge National Laboratory (Oak Ridge, Tennessee)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area and degree; limited reimbursement for inbound travel and moving; benefits of full-time temporary employees of Oak Ridge Associated Universities

Funding source(s): Oak Ridge National Laboratory

Web site: www.orau.gov/orise/edu/ornl/ornl-pm/ornlpmas.htm

Contact(s): Bonnie DeJarnette
Program Specialist
dejarneb@orau.gov
(865) 241-4832
Postdoctoral Environmental Management Participation at the U.S. Army Environmental Center

Description: opportunities to participate in environmental projects involving cultural and natural resources, restoration, compliance, conservation, pollution prevention, validation, demonstration, technology transfer, quality assurance and quality control, training, information management and reporting, and related issues

Discipline(s): archaeology, biology, chemistry, ecology, engineering, entomology, environmental sciences, forestry, history, information sciences, plant pathology, wildlife biology, zoology, related scientific disciplines

Eligibility: must have completed doctoral degree within the last three years; U.S. citizens

Location(s): U.S. Army Environmental Center (Aberdeen Proving Ground, Maryland) and other approved locations

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and degree; limited reimbursement for inbound travel and moving

Funding source(s): U.S. Army Environmental Center

Contact(s): Joanne Rasnake
Project Manager
Joanne.Rasnake@apg.amedd.army.mil
(410) 436-7257

Jody Osborne
Recruiter
Joanna.Osborne@apg.amedd.army.mil
(410) 436-7258
Postdoctoral Research Participation at the U.S. Army Medical Research Institute of Chemical Defense

Description: opportunities to participate in development of medical countermeasures to chemical warfare agents

Discipline(s): biological, medical, and physical sciences, related scientific disciplines

Eligibility: must have completed doctoral degree within the last three years; U.S. citizens

Location(s): U.S. Army Medical Research Institute of Chemical Defense (Aberdeen Proving Ground, Maryland) and other approved locations

Duration: three months to one year; full-time or part-time appointments; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipends based on research area(s) and academic classification

Funding source(s): U.S. Army Medical Research Institute of Chemical Defense

Contact(s): Joanne Rasnake
Project Manager
Joanne.Rasnake@apg.amedd.army.mil
(410) 436-7257

Jody Osborne
Recruiter
Joanna.Osborne@apg.amedd.army.mil
(410) 436-7258
Postgraduate Environmental Management Participation at the U.S. Army Environmental Center

Description: opportunities to participate in environmental projects involving cultural and natural resources, restoration, compliance, conservation, pollution prevention, validation, demonstration, technology transfer, quality assurance and quality control, training, information management and reporting, and related issues

Discipline(s): archaeology, biology, chemistry, ecology, engineering, entomology, environmental sciences, forestry, history, information sciences, plant pathology, wildlife biology, zoology, related scientific disciplines

Eligibility: must have completed associate's, bachelor's, or graduate degree within the last three years; U.S. citizens

Location(s): U.S. Army Environmental Center (Aberdeen Proving Ground, Maryland) and other approved locations

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and degree; limited reimbursement for inbound travel and moving

Funding source(s): U.S. Army Environmental Center

Contact(s): Joanne Rasnake
Project Manager
Joanne.Rasnake@apg.amedd.army.mil
(410) 436-7257

Jody Osborne
Recruiter
Joanna.Osborne@apg.amedd.army.mil
(410) 436-7258
Postgraduate Internship at the Office of Water

Description: opportunities to participate in studies related to development and implementation of drinking water regulations

Discipline(s): engineering, environmental sciences, physical sciences, related scientific disciplines

Eligibility: must have completed bachelor’s or graduate degree within last three years; others considered on a case-by-case basis

Location(s): Office of Water (Cincinnati, Ohio and Washington, D.C.)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and degree; limited reimbursement for inbound travel and moving

Funding source(s): U.S. Environmental Protection Agency, Office of Water

Contact(s): Tom Richmond
Project Manager
richmont@orau.gov
(865) 576-2194

Debbie Alcorn
Program Specialist
alcornd@orau.gov
(865) 576-3428
Postgraduate Internship at the U.S. Army Center for Health Promotion and Preventive Medicine

Description: opportunities to participate in applied clinical research in areas such as occupational and environmental health engineering, entomology, ionizing and nonionizing radiation, health promotion, industrial hygiene and worksite hazards, ergonomics, environmental sanitation and hygiene, laboratory sciences, chemistry, biology, toxicology, health physics, environmental health risk assessment and risk communication, and related projects

Discipline(s): biological sciences, chemistry, entomology, environmental/civil/mechanical engineering, environmental sciences, industrial hygiene, medical sciences, physical sciences, toxicology

Eligibility: must have completed doctoral degree within the last three years; U.S. citizens

Location(s): U.S. Army Center for Health Promotion and Preventive Medicine (Aberdeen Proving Ground, Maryland)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s); limited reimbursement for inbound travel and moving

Funding source(s): U.S. Army Center for Health Promotion and Preventive Medicine

Contact(s): Joanne Rasnake
Project Manager
Joanne.Rasnake@apg.amedd.army.mil
(410) 436-7257

Jody Osborne
Recruiter
Joanna.Osborne@apg.amedd.army.mil
(410) 436-7258
**Postgraduate Research Participation at the Agency for Toxic Substances and Disease Registry**

**Description:** opportunities to participate in research in exposure and disease registries, health investigations, public health assessments, toxicological profiles, emergency response, and health education

**Discipline(s):** environmental or public health, epidemiology, medicine, pharmacology, toxicology, related scientific disciplines

**Eligibility:** must have completed graduate degree within last three years; others considered on case-by-case basis

**Location(s):** Agency for Toxic Substances and Disease Registry (Atlanta, Georgia)

**Duration:** one year; renewable

**Frequency:** continuing

**Awards made:** number varies

**Deadline(s):** applications accepted on an on-going basis

**Benefits:** stipend based on research area(s) and degree

**Funding source(s):** Agency for Toxic Substances and Disease Registry (Public Health Service)

**Contact(s):**
- Linda McCamant
  Project Manager
  mccamanL@orau.gov
  (865) 576-1089

- Tasha Powell
  Program Specialist
  powellt@orau.gov
  (865) 576-3911
**Postgraduate Research Participation at the Air Force Research Laboratory, Materials Directorate, Tyndall Air Force Base**

Description: opportunities to participate in research, development, test, and evaluation projects

Discipline(s): biological sciences, computer sciences, environmental sciences, physical sciences, engineering, related scientific disciplines

Eligibility: must have completed doctoral degree within the last three years; U.S. citizens

Location(s): Air Force Research Laboratory Materials Directorate (Tyndall Air Force Base, Florida)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area and degree; limited reimbursement for inbound travel and moving

Funding source(s): Air Force Research Laboratory Materials Directorate, Tyndall Air Force Base

Contact(s): Sharon Kern
Project Manager
kerns@orau.gov
(865) 576-9361

Betty Bowling
Program Assistant
bowlingb@orau.gov
(865) 576-8503
Postgraduate Research Participation at the Center for Biologics Evaluation and Research

Description: opportunities to participate in research concerning biologics

Discipline(s): bioengineering, biostatistics, life sciences, medical sciences, physical sciences, related scientific disciplines

Eligibility: must have completed graduate degree within last three years; others considered on a case-by-case basis

Location(s): Center for Biologics Evaluation and Research (Rockville/Bethesda, Maryland)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and degree; limited reimbursement for inbound travel and moving

Funding source(s): U.S. Food and Drug Administration

Contact(s): Linda McCamant
            Group Manager
            mccamanL@orau.gov
            (865) 576-1089

            Sherry Warren Edwards
            Program Specialist
            warrens@orau.gov
            (865) 576-7385
Postgraduate Research Participation at the
Center for Devices and Radiological Health

Description: opportunities to participate in research concerning medical devices and radiation emissions from electronic products

Discipline(s): biostatistics, human epidemiology, life sciences, materials sciences and engineering, medical electronics, medical imaging and computer applications, physics, related scientific disciplines

Eligibility: must have completed graduate degree within last three years; others considered on a case-by-case basis

Location(s): Center for Devices and Radiological Health (Rockville/Bethesda, Maryland)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and degree; limited reimbursement for inbound travel and moving

Funding source(s): U.S. Food and Drug Administration

Contact(s): Linda McCamant
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(865) 576-1089

Sherry Warren Edwards
Program Specialist
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(865) 576-7385
Postgraduate Research Participation at the Centers for Disease Control and Prevention

Description: opportunities to conduct research on infectious diseases

Discipline(s): communications, economics, environmental health, epidemiology, health sciences, life sciences, medical sciences, occupational safety and health, physical sciences, related scientific disciplines

Eligibility: must have completed a bachelor's or graduate degree within last three years; others considered on a case-by-case basis

Location(s): Centers for Disease Control and Prevention (Atlanta, Georgia and Morgantown, West Virginia)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis except for the Division of Prevention Research and Analytic Methods (contact phone number below for that deadline)

Benefits: stipend based on research area(s) and degree

Funding source(s): Centers for Disease Control and Prevention

Contact(s): Linda McCamant
Group Manager
mccamanL@orau.gov
(865) 576-1089

Mona Carrasco
Program Specialist
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(865) 576-3383
Postgraduate Research Participation at the Center for Drug Evaluation and Research

Description: opportunities to participate in research concerning human drug products

Discipline(s): bioengineering, biostatistics, life sciences, medical sciences, pharmacology, physical sciences, related scientific disciplines

Eligibility: must have completed graduate degree within last three years; others considered on a case-by-case basis

Location(s): Center for Drug Evaluation and Research (Rockville/ Bethesda, Maryland)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and degree; limited reimbursement for inbound travel and moving

Funding source(s): U.S. Food and Drug Administration

Contact(s): Linda McCamant
Group Manager
mccamanL@orau.gov
(865) 576-1089

Sherry Warren Edwards
Program Specialist
warrens@orau.gov
(865) 576-7385
Postgraduate Research Participation at the Center for Food Safety and Applied Nutrition

Description: opportunities to participate in research concerning food and cosmetics

Discipline(s): epidemiology, food technology, life sciences, medical sciences, nutritional pharmacology, physical sciences, related scientific disciplines

Eligibility: must have completed graduate degree within last three years; others considered on a case-by-case basis

Location(s): Center for Food Safety and Applied Nutrition (Washington, D.C.)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and degree; limited reimbursement for inbound travel and moving

Funding source(s): U.S. Food and Drug Administration

Contact(s): Linda McCamant
Group Manager
mccamanL@orau.gov
(865) 576-1089

Sherry Warren Edwards
Program Specialist
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(865) 576-7385
Postgraduate Research Participation at the Center for Veterinary Medicine

Description: opportunities to participate in research concerning food additives and drugs given to animals

Discipline(s): bioengineering, biostatistics, life sciences, veterinary medical sciences, physical sciences, related scientific disciplines

Eligibility: must have completed graduate degree within last three years; others considered on a case-by-case basis

Location(s): Center for Veterinary Medicine (Rockville/Bethesda, Maryland)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and degree; limited reimbursement for inbound travel and moving

Funding source(s): U.S. Food and Drug Administration

Contact(s): Linda McCamant
Group Manager
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(865) 576-1089

Sherry Warren Edwards
Program Specialist
warrens@orau.gov
(865) 576-7385
Postgraduate Research Participation at the Federal Bureau of Investigation, Counterterrorism/Forensic Science Research Unit

Description: opportunities to participate in advancement of forensic science for the Federal Bureau of Investigation Laboratory as well as federal, state, and local law enforcement agencies

Discipline(s): forensic sciences, toxicology, all chemistry and biology subdisciplines

Eligibility: must have completed Ph.D. degree within the last three years; U.S. citizens only

Location(s): Federal Bureau of Investigation Academy (Quantico, Virginia)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area and degree; limited reimbursement for inbound travel and moving

Funding source(s): Federal Bureau of Investigation

Contact(s): Sharon Kern
Project Manager
kerns@orau.gov
(865) 576-9361

Betty Bowling
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bowlingb@orau.gov
(865) 576-8503
Postgraduate Research Participation at the National Center for Environmental Assessment

Description: opportunities to participate in research related to environmental and physical sciences concerns

Discipline(s): engineering, environmental sciences, physical sciences, related scientific disciplines

Eligibility: must have completed bachelor's or graduate degree within the last three years; others considered on a case-by-case basis

Location(s): National Center for Environmental Assessment (Cincinnati, Ohio)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and degree; limited reimbursement for inbound travel and moving

Funding source(s): U.S. Environmental Protection Agency

Contact(s): Tom Richmond
Project Manager
richmont@orau.gov
(865) 576-2194

Debbie Alcorn
Program Specialist
alcornd@orau.gov
(865) 576-3428
**Postgraduate Research Participation at the National Center for Toxicological Research**

Description: opportunities to participate in research on biological effects of potentially toxic chemicals and solutions to toxicology problems that have a major impact on human health and the environment.

Discipline(s): biological sciences, chemistry, computer sciences, mathematics, medicine, toxicology, pharmacology, related scientific disciplines.

Eligibility: must have completed graduate degree within last three years; others considered on case-by-case basis.

Location(s): National Center for Toxicological Research (Jefferson, Arkansas).

Duration: one year; renewable.

Frequency: continuing.

Awards made: number varies.

Deadline(s): applications accepted on an on-going basis.

Benefits: stipend based on research area(s) and degree.

Funding source(s): U.S. Food and Drug Administration.

Contact(s):
- Linda McCamant
  Group Manager
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  (865) 576-1089

- Tasha Powell
  Program Specialist
  powellt@orau.gov
  (865) 574-3911
Postgraduate Research Participation at the National Exposure Research Laboratory

Description: opportunities to participate in research in environmental areas

Discipline(s): engineering, environmental sciences, life sciences, physical sciences, related scientific disciplines

Eligibility: must have completed bachelor's or graduate degree within the last three years; others considered on a case-by-case basis

Location(s): National Exposure Research Laboratory (Cincinnati, Ohio)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area and degree; limited reimbursement for inbound travel and moving

Funding source(s): U.S. Environmental Protection Agency

Contact(s): Tom Richmond
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richmont@orau.gov
(865) 576-2194

Debbie Alcorn
Program Specialist
alcornd@orau.gov
(865) 576-3428
Postgraduate Research Participation at the St. Louis District, U.S. Army Corps of Engineers

Description: opportunities to participate in research in applied anthropology including research concerning federal legislation and American archaeology; the history and status of collections curation at the national, regional, and Army installation levels; and the developing role of Native Americans, Hawaiians, and Alaskans in federal legislation

Discipline(s): engineering, environmental sciences, life sciences, physical sciences, related scientific disciplines

Eligibility: must have completed bachelor's or graduate degree within the last three years; others considered on a case-by-case basis; U.S. citizens

Location(s): St. Louis District, U.S. Army Corps of Engineers (St. Louis, Missouri)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and degree; limited reimbursement for inbound travel and moving

Funding source(s): St. Louis District, U.S. Army Corps of Engineers

Contact(s): Sharon Kern
Project Manager
kerns@orau.gov
(865) 576-9361

Betty Bowling
Program Assistant
bowlingb@orau.gov
(865) 576-8503
Postgraduate Research Participation at the U.S. Air Force Institute for Environment, Safety and Occupational Health Risk Analysis

Description: opportunities to participate in research supportive of environmental health engineering, occupational and environmental health, industrial hygiene and worksite hazards, psychology, laboratory services

Discipline(s): biological sciences, computer sciences, medical sciences, physical sciences, related scientific disciplines

Eligibility: must have completed associate's, bachelor's, or graduate degree within the last three years; others considered on a case-by-case basis; U.S. citizens

Location(s): Brooks Air Force Base (San Antonio, Texas) and other approved locations

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and degree; limited reimbursement for inbound travel and moving

Funding source(s): U.S. Air Force Institute for Environmental, Safety and Occupational Health Risk Analysis

Contact(s): Sharon Kern
Project Manager
kerns@orau.gov
(865) 576-9361

Betty Bowling
Program Assistant
bowlingb@orau.gov
(865) 576-8503
Postgraduate Research Participation at the U.S. Army Central Identification Laboratory, Hawaii

Description: opportunities to participate in research to locate, exhume, and identify the remains of individuals killed during military service

Discipline(s): anthropology, DNA identification, forensic anthropology, forensic dentistry, related scientific disciplines

Eligibility: must have completed a doctoral degree within the last three years; U.S. citizens preferred

Location(s): Central Identification Laboratory (Hickam Air Force Base, Hawaii)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and degree; limited reimbursement for inbound travel and moving

Funding source(s): Central Identification Laboratory

Contact(s): Sharon Kern
Project Manager
kerns@orau.gov
(865) 576-9361

Betty Bowling
Program Assistant
bowlingb@orau.gov
(865) 576-8503
Postgraduate Research Participation at the U.S. Army Edgewood Chemical Biological Center

Description: opportunities to participate in research and development in support of military missions

Discipline(s): biological sciences, computer sciences, engineering, environmental sciences, physical sciences, related scientific disciplines

Eligibility: must have completed doctoral degree within the last three years; U.S. citizens

Location(s): U.S. Army Edgewood Chemical Biological Center (Aberdeen Proving Ground, Maryland)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and degree; limited reimbursement for inbound travel and moving

Funding source(s): U.S. Army Edgewood Research Chemical Biological Center

Contact(s): Joanne Rasnake
Project Manager
Joanne.Rasnake@apg.amedd.army.mil
(410) 436-7257

Jody Osborne
Recruiter
Joanna.Osborne@apg.amedd.army.mil
(410) 436-7258
Postgraduate Research Participation at the U.S. Army Medical Research Institute of Chemical Defense

Description: opportunities to participate in development of medical countermeasures to chemical warfare agents

Discipline(s): biological, medical, and physical science; related scientific disciplines

Eligibility: must have completed bachelor's or graduate degree with a minimum of 3.0 GPA (on a 4.0 grading scale) within the last three years; U.S. citizens

Location(s): U.S. Army Medical Research Institute of Chemical Defense (Aberdeen Proving Ground, Maryland)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and degree; limited reimbursement for inbound travel and moving

Funding source(s): U.S. Army Medical Research Institute of Chemical Defense

Contact(s): Joanne Rasnake
Project Manager
Joanne.Rasnake@apg.amedd.army.mil
(410) 436-7257

Jody Osborne
Recruiter
Joanna.Osborne@apg.amedd.army.mil
(410) 436-7258
Postgraduate Research Participation at the U.S. Army Research Laboratory

Description: opportunities to participate in research and technology development in such areas as engineering, mechanics, chemistry, computational modeling, science, and materials research related to enhancing the lethality and survivability of America's ground forces

Discipline(s): biological sciences, computer/information sciences and technology, computational modeling, materials research, medical sciences, physical sciences, related scientific disciplines

Eligibility: must have completed doctoral degree within the last three years; others considered on a case-by-case basis; U.S. citizens

Location(s): U.S. Army Research Laboratory (Aberdeen Proving Ground, Maryland) and other approved locations

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and degree; limited reimbursement for inbound travel and moving

Funding source(s): U.S. Army Research Laboratory

Contact(s): Joanne Rasnake
Project Manager
Joanne.Rasnake@apg.amedd.army.mil
(410) 436-7257

Jody Osborne
Recruiter
Joanna.Osborne@apg.amedd.army.mil
(410) 436-7258
Postgraduate Research Participation at the U.S. Environmental Protection Agency, Region 5

Description: opportunities to participate in research related to environmental and physical science concerns

Discipline(s): engineering, environmental sciences, physical sciences, related scientific disciplines

Eligibility: must have completed bachelor's or graduate degree within the last three years; others considered on a case-by-case basis

Location(s): U.S. Environmental Protection Agency (Chicago, Illinois)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and degree; limited reimbursement for inbound travel and moving

Funding source(s): U.S. Environmental Protection Agency

Contact(s): Tom Richmond
Project Manager
richmont@orau.gov
(865) 576-2194

Debbie Alcorn
Program Specialist
alcornd@orau.gov
(865) 576-3428
Savannah River Site Postgraduate Research Program

Description: opportunities to participate in research that complements on-going Savannah River research projects

Discipline(s): chemistry, computer science, engineering, environmental sciences, geology, physics

Eligibility: postgraduate or postdoctoral level; U.S. citizens

Location(s): Savannah River Site (Aiken, South Carolina)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area and degree; limited reimbursement for inbound travel and moving

Funding source(s): Savannah River Site

Contact(s): Kathy Ketner
Project Manager
ketnerk@orau.gov
(865) 576-3426

Kay Ball
Program Specialist
ballk@orau.gov
(865) 576-8807
Savannah River Site Professional Internship Program

Description: opportunities to participate in energy-related and environmental research

Discipline(s): chemistry, computer sciences, engineering, environmental sciences, geology, physics

Eligibility: undergraduate students, post-baccalaureates, graduate students; U.S. citizens

Location(s): Savannah River Site (Aiken, South Carolina)

Duration: three to 24 consecutive months; full-time or part-time

Frequency: continuing

Awards made: number varies

Deadline(s): Feb. 15, June 1, Oct. 1

Benefits: weekly stipend; limited travel reimbursement (round-trip transportation expenses between facility and home or campus)

Funding source(s): Savannah River Site

Contact(s): Kathy Ketner
Project Manager
ketnerk@orau.gov
(865) 576-3426

Kay Ball
Program Specialist
ballk@orau.gov
(865) 576-8807
University Radioactive Ion Beam Consortium

Description: opportunities for basic research on rare, short-lived atomic nuclei at the Holifield Radioactive Ion Beam Facility

Discipline(s): nuclear physics, nuclear chemistry

Eligibility: faculty members, graduate and postgraduate students, research fellows

Location(s): Holifield Radioactive Ion Beam Facility at Oak Ridge National Laboratory (Oak Ridge, Tennessee)

Duration: extended short-term collaboration

Frequency: specified times, but variable

Awards made: number varies

Deadline(s): ask for current deadlines

Benefits: use of sophisticated, state-of-the-art, unique experimental nuclear equipment

Funding source(s): U.S. Department of Energy, Office of Science; University Radioactive Ion Beam member institutions

Contact(s): H. Kennon Carter
Program Manager
carterk@orau.gov
(865) 576-2642
Graduate and Undergraduate Student Opportunities
Civilian Radioactive Waste Management Fellowship Program

Description: opportunities to participate in fellowships for graduate work in fields related to the management of spent nuclear fuel and high-level radioactive wastes; application is usually made before or during the first year of graduate school

Discipline(s): earth sciences, engineering, materials science, radiation sciences

Eligibility: master’s or doctoral students

Participating universities: fellowship awardees must attend a university designated as a participating university in the Office of Civilian Radioactive Waste Management Fellowship program. If you are a student wanting to apply to the OCRWM program and the university you are attending isn’t a participating university (call for a list of participating universities), please contact your advisor (or someone within the department) about having the university apply for participation status

Location(s): participating universities; practicum at various U.S. Department of Energy research facilities

Duration: one year; renewable up to four years

Frequency: annually

Awards made: number varies

Deadline(s): last Monday in January

Benefits: $14,400 minimum stipend; additional $300 per month during practicum; some travel expenses; tuition and fees up to $8,000 per year

Funding source(s): U.S. Department of Energy, Office of Civilian Radioactive Waste Management

Contact(s): Colleen Babcock
Program Manager
babcockc@orau.gov
(865) 576-9272

Jennifer Garren
Program Specialist
garrenj@orau.gov
(865) 241-2890
Community College Institute

Description: opportunities to participate in educational training and research relating to energy production, use, conservation, and societal implications

Discipline(s): computer sciences, earth sciences, engineering, environmental sciences, life sciences, mathematics, physical sciences, related scientific disciplines

Eligibility: community college students; U.S. citizens or permanent residents

Location(s): Oak Ridge National Laboratory (Oak Ridge, Tennessee)

Duration: 10 weeks in summer appointments

Frequency: annually

Awards made: number varies

Deadline(s): see DOE Web site at www.scied.science.doe.gov

Benefits: weekly stipend of $400; limited travel reimbursement; limited housing allowance

Funding source(s): U.S. Department of Energy, Office of Science

Web site: www.scied.science.doe.gov

Contact(s): Cindy Musick
Project Manager
Cindy.Musick@science.doe.gov
(202) 586-0987

Cheryl Terry
Program Specialist
terryc@orau.gov
(865) 576-3427
Department of Commerce Internship for Postsecondary Students

Description: opportunities to participate in hands-on education and training related to the Department of Commerce mission

Discipline(s): computer sciences, engineering, life sciences, physical sciences, related business disciplines

Eligibility: undergraduate and graduate students; U.S. citizens

Location(s): Department of Commerce headquarters, Department of Commerce division offices, and field centers

Duration: 10 weeks in the summer; 16 weeks during fall or spring semester

Frequency: continuing

Awards made: number varies

Deadline(s): Feb. 28 for summer; July 30 for fall semester; Dec. 31 for spring semester; however, applications are accepted on an on-going basis

Benefits: weekly stipend of $400; dislocation allowance of $100 per week based on appointment location; limited travel reimbursement; accidental medical expense coverage provided

Funding source(s): Department of Commerce

Contact(s): Milton Constantin
Project Manager
constanm@orau.gov
(865) 576-7009
Department of Energy Special Emphasis Program

Description: opportunities to participate in on-going research and related activities at the U.S. Department of Energy Office of Science

Discipline(s): engineering, science, mathematics, project management, computer science, statistics, finance, economics, law, policy, and related disciplines

Eligibility: undergraduate and graduate students; U.S. citizens

Location(s): Germantown, Maryland and participating facilities

Duration: 10 weeks; some part-time appointments

Frequency: annually

Awards made: number varies

Deadline(s): third Tuesday in January

Benefits: weekly stipend of $500 to $550; limited travel reimbursement (round-trip transportation expenses between facility and home or campus)

Funding source(s): U.S. Department of Energy

Contact(s): Elizabeth Kittrell
Program Manager
kittrell@orau.gov
(865) 241-3319

Barbara Dorsey
Sr. Program Specialist
dorseyb@orau.gov
(865) 576-9975
Energy Research Undergraduate Laboratory Fellowships

(new name – Science Undergraduate Laboratory Internships)

Description: opportunities to participate in research relating to energy production, use, conservation, and societal implications

Discipline(s): computer sciences, earth sciences, engineering, environmental sciences, life sciences, mathematics, physical sciences, related scientific disciplines

Eligibility: undergraduate students; U.S. citizens or permanent residents

Location(s): Oak Ridge National Laboratory (Oak Ridge, Tennessee)

Duration: 10 weeks in summer; 16 weeks during academic semester

Deadline(s): see DOE Web site at www.scied.science.doe.gov

Awards made: number varies

Benefits: weekly stipend of $400; limited travel reimbursement; limited housing allowance

Funding source(s): U.S. Department of Energy, Office of Science

Web site: www.scied.science.doe.gov

Contact(s): Sue Ellen Walbridge
Project Manager
Sue-Ellen.Walbridge@science.doe.gov
(202) 586-7231

Cheryl Terry
Program Specialist
terryc@orau.gov
(865) 576-3427
Federal Aviation Administration Asian American/Pacific Islander and Native American/Alaskan Native Internship Program

Description: opportunities to participate in on-going Federal Aviation Administration research and related technologies

Discipline(s): airport security, aviation research, computer science, engineering (aerospace, computer, civil, electronic, and mechanical), law enforcement, legal and other aviation and transportation studies

Eligibility: undergraduate and graduate students; minimum GPA of 3.0; U.S. citizens

Location(s): various locations at Federal Aviation Administration facilities across the U.S.

Duration: 10 weeks in the summer; 16 weeks during semester

Frequency: annually

Awards made: number varies

Deadline(s): applications are accepted on an on-going basis

Benefits: weekly stipend of $450; housing allowance of $150 per week; limited travel reimbursement (round-trip transportation expenses between facility and home or campus); accidental medical insurance

Funding source(s): Federal Aviation Administration

Contact(s): Elizabeth Kittrell
Program Manager
kittrell@orau.gov
(865) 241-3319

Barbara Dorsey
Sr. Program Specialist
dorseyb@orau.gov
(865) 576-9975
**Fusion Energy Sciences Fellowship Program**

**Description:** opportunities to participate in fellowships for graduate work in magnetic fusion science and engineering; application is usually made before or during first year of graduate school

**Discipline(s):** physical sciences, engineering, mathematics

**Eligibility:** bachelor’s recipients; first-term graduates

**Location(s):** participating universities with practicums at various U.S. Department of Energy research facilities

**Duration:** one year; renewable for two more years

**Frequency:** annually

**Awards made:** number varies

**Deadline(s):** Feb. 1

**Benefits:** $19,800 stipend; some travel expenses; additional $200 per month during the practicum; tuition and fees

**Funding source(s):** U.S. Department of Energy, Office of Fusion Energy Sciences

**Contact(s):**
- Tom Richmond
  Project Manager
  richmont@orau.gov
  (865) 576-2194

- Debbie Alcorn
  Program Specialist
  alcornd@orau.gov
  (865) 576-3428
Future Officer Research and Training Program

Description: opportunities to join on-going investigations at the Oak Ridge National Laboratory in research areas relating to energy production, use, conservation, and societal implications

Discipline(s): computer sciences, earth sciences, engineering, life sciences, mathematics, physical sciences, related scientific disciplines

Eligibility: undergraduate students at U.S. Naval Academy, U.S. Air Force Academy, or U.S. Military Academy

Location(s): Oak Ridge National Laboratory (Oak Ridge, Tennessee)

Duration: up to 10 weeks in summer

Deadline(s): Feb. 15

Awards made: number varies


Funding source(s): Oak Ridge National Laboratory and military academies

Contact(s): Kathy Ketner
Program Manager
ketnerk@orau.gov
(865) 576-3426

Martha Hammond
Program Specialist
hammondm@orau.gov
(865) 576-3425
Great Lakes Colleges Association/Associated Colleges of the Midwest Oak Ridge Science Semester

Description: opportunities to join on-going investigations at the Oak Ridge National Laboratory in research areas relating to energy production, use, conservation, and societal implications

Discipline(s): computer sciences, earth sciences, engineering, life sciences, mathematics, physical sciences, related scientific disciplines

Eligibility: undergraduate students at institutions belonging to either the Great Lakes Colleges Association, Inc. or the Associated Colleges of the Midwest

Location(s): Oak Ridge National Laboratory (Oak Ridge, Tennessee)

Duration: 16 weeks in the fall (late August through mid-December)

Deadline(s): see Web site at www.denison.edu/oakridge/

Awards made: number varies

Benefits: weekly stipend; limited travel reimbursement, housing, academic credit offered for combination of research, coursework, and seminar series

Funding source(s): Oak Ridge National Laboratory and Great Lakes Colleges Association, Inc./Associated Colleges of the Midwest

Contact(s): Ron Winters
Denison Program Director
winters@denison.edu
(740) 587-6304

Kathy Ketner
ORAU Program Manager
ketnerk@orau.gov
(865) 576-3426

Cheryl Terry
ORAU Program Specialist
terryc@orau.gov
(865) 576-3427
Higher Education Research Experiences at Oak Ridge National Laboratory for Law Students

Description: opportunities to participate in research on legal aspects of energy-related techniques and procedures, national energy-related problems, and efforts related to their solutions

Discipline(s): environmental and patent law

Eligibility: law students who have completed their first year; U.S. citizens and permanent residents

Location(s): Oak Ridge National Laboratory (Oak Ridge, Tennessee)

Duration: three months in summer; some appointments during the academic year

Frequency: annually

Awards made: number varies

Deadline(s): first Monday in February

Benefits: weekly stipend of $400; limited travel reimbursement allowance

Funding source(s): Oak Ridge National Laboratory

Contact(s): Kathy Ketner  
Project Manager  
ketnerk@orau.gov  
(865) 576-3426

Cheryl Terry  
Program Specialist  
terrye@orau.gov  
(865) 576-3427
Higher Education Research Experiences at Oak Ridge National Laboratory for Research Visits

Description: opportunities to make short, collaborative research visits to research and development facilities

Disciplines: computer sciences, earth sciences, engineering, life sciences, mathematics, physical sciences, related scientific disciplines

Eligibility: full-time college or university faculty and graduate students; U.S. citizens or permanent residents

Location(s): Oak Ridge National Laboratory (Oak Ridge, Tennessee)

Duration: one day to three weeks

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: limited reimbursement for travel and living expenses while conducting research at the laboratory

Funding source(s): Oak Ridge National Laboratory

Contact(s): Kathy Ketner
Project Manager
ketnerk@orau.gov
(865) 576-3426

Cheryl Terry
Program Specialist
terryc@orau.gov
(865) 576-3427
Higher Education Research Experiences at Oak Ridge National Laboratory for Students

Description: opportunities to participate in energy-related research

Discipline(s): computer sciences, earth sciences, engineering, life sciences, mathematics, physical sciences, related scientific disciplines

Eligibility: undergraduate students, post-associates, post-baccalaureates, graduate students; U.S. citizens or permanent residents

Location(s): Oak Ridge National Laboratory (Oak Ridge, Tennessee)

Duration: term varies with academic level; full-time or part-time

Frequency: continuing

Awards made: number varies

Deadline(s): Feb. 1, June 1, Oct. 1

Benefits: weekly stipend varies with academic level; limited travel reimbursement; housing allowance

Funding source(s): Oak Ridge National Laboratory

Contact(s): Kathy Ketner
Project Manager
ketnerk@orau.gov
(865) 576-3426

Cheryl Terry
Program Specialist
terryc@orau.gov
(865) 576-3427
Industorial Materials for the Future

Description: opportunities to participate in cooperative linkages between Oak Ridge National Laboratory and universities with programs that lead to degrees or degree options in materials science and related disciplines; provides fellowships for students to complete master’s-level degree, including an off-campus research appointment at Oak Ridge National Laboratory

Discipline(s): materials science, materials engineering, metallurgical engineering, ceramic engineering

Eligibility: graduating seniors and graduate students who have not completed their first year

Location(s): any accredited U.S. educational institution

Duration: one year; renewable up to 24 months

Frequency: annually

Awards made: limited number

Deadline(s): last day of February

Benefits: tuition and fees up to $6,000 per year; $1,200 per month in stipend; $300/month dislocation allowance during research appointment

Funding source(s): Conservation and Renewable Energy, Office of Industrial Technologies

Contact(s): Kathy Ketner
Project Manager
ketnerk@orau.gov
(865) 576-3426

Cheryl Terry
Program Specialist
terryc@orau.gov
(865) 576-3427
National Energy Technology Laboratory
Professional Internship Program

Description: opportunities to participate in energy-related research

Discipline(s): chemistry, computer science, engineering, environmental sciences, geology, mathematics, physics, statistics

Eligibility: undergraduate students, post-baccalaureates, graduate students; U.S. citizens

Location(s): National Energy Technology Laboratory (Pittsburgh, Pennsylvania and Morgantown, West Virginia)

Duration: three to 24 consecutive months; full-time or part-time

Frequency: continuing

Awards made: number varies

Deadline(s): Feb. 15, June 1, Oct. 1

Benefits: weekly stipend; limited travel reimbursement (round-trip transportation expenses between facility and home or campus); off-campus tuition and fees may be paid

Funding source(s): National Energy Technology Laboratory

Contact(s): Kathy Ketner
Project Manager
ketnerk@orau.gov
(865) 576-3426

Kay Ball
Program Specialist
ballk@orau.gov
(865) 576-8807
National Oceanic and Atmospheric Administration Educational Partnership Program with Minority Serving Institutions Undergraduate Scholarship

Description: provides scholarships and internship experiences for junior and senior year students attending minority serving institutions pursuing degrees in areas related to the National Oceanic and Atmospheric Administration

Discipline(s): atmospheric science, biology, cartography, chemistry, computer science, engineering, environmental science, geodesy, geography, marine science, mathematics, meteorology, photogrammetry, physical science, physics, remote sensing

Eligibility: hold a junior or senior class status at a minority serving institution

Location(s): minority serving institutions, including Hispanic Serving Institutions, Historically Black Colleges and Universities, and Tribal Colleges and Universities; internship assignments at National Oceanic and Atmospheric Administration sites

Duration: two years

Frequency: annually

Awards made: 10

Deadline(s): January

Benefits: tuition and fees paid ($4,000 maximum); weekly stipend during internship of $650

Funding source(s): National Oceanic and Atmospheric Administration

Contact(s): Colleen Babcock  
Program Manager  
babcockc@orau.gov  
(865) 576-9272

Rose Etta Cox  
Program Specialist  
coxre@orau.gov  
(865) 576-9279
National Oceanic and Atmospheric Administration Student Research Participation

Description: opportunities to participate in research and development relating to science, math, and engineering

Discipline(s): business, computer sciences, engineering, life sciences, physical sciences

Eligibility: undergraduate students, graduate students; U.S. citizens or permanent residents

Location(s): National Oceanic and Atmospheric Administration headquarters (Silver Spring, Maryland) and field centers

Duration: 10 weeks in the summer

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: weekly stipend of $420 to $515, depending on academic classification; limited travel reimbursement (round-trip transportation expenses between facility and home or campus)

Funding source(s): National Oceanic and Atmospheric Administration

Contact(s): Harold Rider
Project Manager
riderh@orau.gov
(865) 576-8158

Norma Ward
Program Specialist
wardn@orau.gov
(865) 576-5300
National Science Foundation Graduate Research Fellowships

Description: opportunities to participate in graduate fellowships in science, mathematics, and engineering, including awards offered for women in engineering and computer and information science. Fellowships are awarded for graduate study leading to research-based master's or doctoral degrees

Discipline(s): science, math, and engineering

Eligibility: must be a U.S. citizen or national or permanent resident of the United States

Location(s): any appropriate, accredited, nonprofit U.S. institution or appropriate international institution of higher education offering advanced degrees in science, mathematics, or engineering

Duration: three years usable over a period of five years

Frequency: annually

Awards made: approximately 900 new fellowships

Deadline(s): Nov. 7, 2002

Benefits: $21,500 stipend for 12-month tenures; cost-of-education allowance of $10,500 per tenure year; $1,000 international research travel allowance is also available

Funding source(s): National Science Foundation

Contact(s): Jeannette Bouchard
NSF Operations Manager
nsfgrfp@orau.gov
Toll free: (866) 353-0905
Nuclear Regulatory Commission Graduate Fellowship Program

Description: opportunities for students who are interested in pursuing graduate studies and careers in the disciplines directly aligned with Nuclear Regulatory Commission (NRC) critical skill needs

Discipline(s): engineering, health physics, and other related scientific disciplines

Eligibility: U.S. citizenship; naturalized citizens are required to have lived in and have been employed in the U.S. for at least the last five years; be interested in an engineering or scientific career with the NRC; have or are completing a bachelor's degree in a scientific or technical field; have an overall G.P.A. of 2.9 (successful candidates typically have a G.P.A. in their major of 3.5 or higher). In addition, to be appointed to the fellowship, selected applicants must: successfully complete at least nine months of work orientation period with the NRC before starting (or returning to) graduate school (NRC employees and cooperative education participants may have already fulfilled this requirement); commit to NRC employment after completion of the master's degree for two months for each month of NRC provided stipend (typically four years for a two-year graduate program); be accepted into a graduate school program of their choice that is approved by the NRC during the work orientation period. To meet NRC employment requirements, applicants appointed to this program must qualify for a security clearance.

Location(s): work orientation at NRC headquarters or regional offices; graduate school to be determined

Duration: two-year graduate program

Frequency: annually

Awards made: number varies

Deadline(s): Dec. 1

Benefits: monthly stipend of $2,400, books and related expenses and full tuition and fees

Funding source(s): Nuclear Regulatory Commission

Contact(s): Milton Constantin  
Project Manager  
constanm@orau.gov  
(865) 576-7009  
Pat Pressley  
Program Specialist  
presslep@orau.gov  
(865) 576-3409
Nuclear Regulatory Commission Historically Black Colleges and Universities Student Research Participation Program

Description: opportunities to participate in on-going Nuclear Regulatory Commission research and development

Discipline(s): computer science, engineering, earth or geosciences, health physics, materials science, mathematics, molecular/radiation biology, performance and risk assessments, physical sciences, statistics related to nuclear material control and accounting

Eligibility: undergraduate and graduate students from Historically Black Colleges and Universities; U.S. citizens or legal permanent residents

Location(s): laboratories where Nuclear Regulatory Commission research is being conducted; some appointments on Historically Black Colleges and Universities campuses; some appointments at host universities under the guidance of principal investigators who have Nuclear Regulatory Commission research grants

Duration: 10 to 12 weeks for summer appointments; some part-time appointments of one year

Frequency: annually

Awards made: number varies

Deadline(s): third Tuesday in January

Benefits: weekly stipend of $500 to $600; limited travel reimbursement (round-trip transportation expenses between facility and home or campus)

Funding source(s): Nuclear Regulatory Commission

Contact(s): Elizabeth Kittrell
Project Manager
kittrell@orau.gov
(865) 241-3319

Norma Ward
Program Specialist
wardn@orau.gov
(865) 576-5300
Office of Biological and Environmental Research Global Change Education Program

Description: opportunities to participate in research areas related to global change

Discipline(s): atmospheric sciences, ecology, global carbon cycles, climatology, terrestrial processes

Eligibility: college juniors, seniors, and graduate students; U.S. citizens

Location(s): U.S. Department of Energy facilities (undergraduates); U.S. Department of Energy facilities and universities (graduates)

Duration: 10 to 12 weeks in the summer (undergraduates); three years, renewable annually (graduates)

Frequency: annually

Awards made: number varies

Deadline(s): first Monday in February

Benefits: vary

Funding source(s): U.S. Department of Energy, Office of Biological and Environmental Research

Contact(s): Milton Constantin
Program Manager
constanm@orau.gov
(865) 576-7009

Mary Kinney
Program Specialist
kinneym@orau.gov
(865) 576-9655
Office of Biological and Environmental Research Minority Institutions Student Research Participation Program

Description: opportunities to participate in research relating to health and the environment

Discipline(s): atmospheric science, biochemistry, biology, biophysics, bioremediation, biostatistics, chemistry, ecology, genetics, genomics, marine science, molecular and cellular biology, measurement science, molecular nuclear medicine, nuclear medicine, pathology, physics, physiology, radiation biology, structural biology, terrestrial sciences, toxicology, and other related life, biomedical, and environmental science disciplines

Eligibility: graduate students from Historically Black Colleges and Universities, Tribal Colleges, and Hispanic-Serving Institutions; U.S. citizens or legal permanent residents

Location(s): any of the participating multiprogram or dedicated laboratories currently funded by the U.S. Department of Energy’s Office of Biological and Environmental Research: Ames Laboratory (Ames, Iowa), Argonne National Laboratory (Argonne, Illinois), Brookhaven National Laboratory (Upton, New York), Lawrence Berkeley National Laboratory (Berkeley, California), Lawrence Livermore National Laboratory (Livermore, California), Los Alamos National Laboratory (Los Alamos, New Mexico), Oak Ridge National Laboratory (Oak Ridge, Tennessee), Pacific Northwest National Laboratory (Richland, Washington), Savannah River Site (Aiken, South Carolina), Savannah River Ecology Laboratory (Aiken, South Carolina)

Duration: 10 weeks in summer

Frequency: annually

Awards made: number varies

Deadline(s): third Tuesday in January

Benefits: $650 per week for graduate students; limited travel reimbursement (round-trip transportation expenses between host facility and home or campus)

Funding source(s): U.S. Department of Energy, Office of Biological and Environmental Research

Contact(s): Elizabeth Kittrell, Project Manager, kittrell@orau.gov, (865) 241-3319; Norma Ward, Program Specialist, wardn@orau.gov, (865) 576-5300
Office of Civilian Radioactive Waste Management Historically Black Colleges and Universities Undergraduate Scholarship Program

Description: provides scholarships and practicum experiences for students from Historically Black Colleges and Universities pursuing degrees in areas related to the Office of Civilian Radioactive Waste Management

Discipline(s): science, math, engineering, engineering technology, social sciences

Eligibility: juniors and seniors at Historically Black Colleges and Universities

Location(s): Historically Black Colleges and Universities; practicums are at U.S. Department of Energy sites conducting activities for the Office of Civilian Radioactive Waste Management

Duration: two years

Frequency: annually

Awards made: 10

Deadline(s): January

Benefits: tuition and fees paid ($8,000 maximum); monthly stipend of $600

Funding source(s): U.S. Department of Energy, Office of Civilian Radioactive Waste Management

Contact(s): Colleen Babcock  
Program Manager  
babcockc@orau.gov  
(865) 576-9272

Rose Etta Cox  
Program Specialist  
coxre@orau.gov  
(865) 576-9279
Pre-Service Teacher Internships

Description: opportunities to participate in educational training and research relating to preparation for teaching K-12 science, mathematics, and technology education

Discipline(s): science, mathematics, technology education

Eligibility: undergraduate college students who intend to become K-12 teachers with a specialty in science, mathematics, or technology; graduate students who are in the process of becoming certified to teach science, mathematics, or technology

Location(s): Oak Ridge National Laboratory (Oak Ridge, Tennessee)

Duration: 10 weeks in summer

Frequency: annually

Awards made: limited number

Deadline(s): see Web site at www.scied.science.doe.gov

Benefits: weekly stipend of $400; limited travel reimbursement; limited housing allowance

Funding source(s): U.S. Department of Energy, Office of Science

Web site: www.scied.science.doe.gov

Contact(s): Cindy Musick
Project Manager
Cindy.Musick@science.doe.gov
(202) 586-0987

Cheryl Terry
Program Specialist
terryc@orau.gov
(865) 576-3427
Savannah River Site Law Internship Program

Description: opportunities to participate in research on legal aspects of energy-related techniques and procedures, national energy-related problems, and efforts related to their solutions

Discipline(s): environmental and patent law
Eligibility: law students who have completed their first year; U.S. citizens
Location(s): Savannah River Site (Aiken, South Carolina)
Duration: three months in summer; some appointments during the academic year
Frequency: annually
Awards made: number varies
Deadline(s): Feb. 15
Benefits: weekly stipend; limited travel reimbursement (round-trip transportation expenses between facility and home or campus)
Funding source(s): Savannah River Site

Contact(s): Kathy Ketner
Project Manager
ketnerk@orau.gov
(865) 576-3426

Kay Ball
Program Specialist
ballk@orau.gov
(865) 576-8807
Savannah River Site Professional Internship Program

Description: opportunities to participate in energy-related and environmental research

Discipline(s): chemistry, computer sciences, engineering, environmental sciences, geology, physics

Eligibility: undergraduate students, post-baccalaureates, graduate students; U.S. citizens

Location(s): Savannah River Site (Aiken, South Carolina)

Duration: three to 24 consecutive months; full-time or part-time

Frequency: continuing

Awards made: number varies

Deadline(s): Feb. 15, June 1, Oct. 1

Benefits: weekly stipend; limited travel reimbursement (round-trip transportation expenses between facility and home or campus)

Funding source(s): Savannah River Site

Contact(s): Kathy Ketner
Project Manager
ketnerk@orau.gov
(865) 576-3426

Kay Ball
Program Specialist
ballk@orau.gov
(865) 576-8807
Student Environmental Management Participation for the U.S. Army Environmental Center

Description: opportunities to participate in environmental projects involving cultural and natural resources, restoration, compliance, conservation, pollution prevention, validation, demonstration, technology transfer, quality assurance and quality control, training, information management and reporting, and related programs

Discipline(s): archaeology, biology, chemistry, ecology, engineering, entomology, environmental sciences, forestry, history, information sciences, plant pathology, wildlife biology, zoology, related scientific disciplines

Eligibility: undergraduate and graduate students; U.S. citizens

Location(s): U.S. Army Environmental Center (Aberdeen Proving Ground, Maryland) and other approved locations

Duration: three months to one year; full-time or part-time appointments; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and academic classification

Funding source(s): U.S. Army Environmental Center

Contact(s): Joanne Rasnake
Project Manager
Joanne.Rasnake@apg.amedd.army.mil
(410) 436-7257

Jody Osborne
Recruiter
Joanna.Osborne@apg.amedd.army.mil
(410) 436-7258
Student Internship at the Office of Water

Description: opportunities to participate in studies related to development and implementation of drinking water regulations

Discipline(s): engineering, environmental sciences, physical sciences, related scientific disciplines

Eligibility: must be an undergraduate or graduate student

Location(s): Office of Water (Cincinnati, Ohio and Washington, D.C.)

Duration: one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and degree; limited reimbursement for inbound travel and moving

Funding source(s): U.S. Environmental Protection Agency, Office of Water

Contact(s): Tom Richmond
Project Manager
richmont@orau.gov
(865) 576-2194

Debbie Alcorn
Program Specialist
alcornd@orau.gov
(865) 576-3428
Student Internship Program at the U.S. Army Center for Health Promotion and Preventive Medicine

Description: opportunities to participate in applied clinical research in areas such as occupational and environmental health engineering, entomology, ionizing and nonionizing radiation, health promotion, industrial hygiene and worksite hazards, ergonomics, environmental sanitation and hygiene, laboratory science, chemistry, biology, toxicology, health physics, environmental health risk assessment and risk communication, and related projects

Discipline(s): biological sciences, chemistry, entomology, environmental/civil/mechanical engineering, environmental sciences, industrial hygiene, medical sciences, physical sciences, toxicology

Eligibility: undergraduate and graduate students; U.S. citizens

Location(s): U.S. Army Center for Health Promotion and Preventive Medicine (Aberdeen Proving Ground, Maryland) and other approved locations

Duration: three months to one year; full-time or part-time appointments; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and academic classification

Funding source(s): U.S. Army Center for Health Promotion and Preventive Medicine

Contact(s): Joanne Rasnake
Project Manager
Joanne.Rasnake@apg.amedd.army.mil
(410) 436-7257

Jody Osborne
Recruiter
Joanna.Osborne@apg.amedd.army.mil
(410) 436-7258
Student Research Participation at the Agency for Toxic Substances and Disease Registry

Description: opportunities to participate in research relating to exposure and disease registries, health investigations, public health assessments, toxicological profiles, emergency response, and health education

Discipline(s): biological sciences, environmental or public health, epidemiology, medical sciences, pharmacology, physical sciences, toxicology, related scientific disciplines

Eligibility: undergraduate and graduate students

Location(s): Agency for Toxic Substances and Disease Registry (Atlanta, Georgia)

Duration: 10 weeks to 12 months; full-time or part-time appointments

Frequency: continuing

Awards made: number varies

Deadline(s): Feb. 1

Benefits: stipend based on research area(s) and academic classification

Funding source(s): Agency for Toxic Substances and Disease Registry (Public Health Service)

Contact(s): Linda McCamant
Group Manager
mccamanL@orau.gov
(865) 576-9361

Tasha Powell
Program Specialist
powellt@orau.gov
(865) 574-3911
Student Research Participation at the
Centers for Disease Control and Prevention

Description: opportunities to participate in research on infectious diseases, environmental health, epidemiology, or occupational safety and health

Discipline(s): communications, economics, environmental health, epidemiology, health sciences, life sciences, occupational safety and health, premedical sciences, physical sciences, related scientific disciplines

Eligibility: undergraduate and graduate students

Location(s): Centers for Disease Control and Prevention (Atlanta, Georgia and Morgantown, West Virginia)

Duration: one month to one year; full-time or part-time appointments

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and academic classification

Funding source(s): Centers for Disease Control and Prevention

Contact(s): Linda McCamant
Group Manager
mccamanL@orau.gov
(865) 576-1089

Mona Carrasco
Program Specialist
carrascr@orau.gov
(865) 576-3383
Student Research Participation at the Federal Bureau of Investigation, Counterterrorism/Forensic Science Research Unit

Description: opportunities to participate in advancement of forensic science for the Federal Bureau of Investigation Laboratory as well as federal, state, and local law enforcement agencies

Discipline(s): forensic sciences, toxicology, all chemistry and biology subdisciplines

Eligibility: undergraduate and graduate students; U.S. citizens only

Location(s): Federal Bureau of Investigation Academy (Quantico, Virginia)

Duration: three months to one year; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area and academic classification

Funding source(s): Federal Bureau of Investigation

Contact(s): Sharon Kern
Project Manager
kerns@orau.gov
(865) 576-9361

Betty Bowling
Program Specialist
bowlingb@orau.gov
(865) 576-8503
Student Research Participation at the National Center for Toxicological Research

Description: opportunities to participate in research on biological effects of potentially toxic chemicals and solutions to toxicology problems that have a major impact on human health and the environment

Discipline(s): biological sciences, chemistry, computer science, mathematics, medicine, pharmacology, toxicology, related scientific disciplines

Eligibility: undergraduate and graduate students

Location(s): National Center for Toxicological Research (Jefferson, Arkansas)

Duration: 10 weeks to one year; full-time or part-time appointments

Frequency: continuing

Awards made: number varies

Deadline(s): March 1 for summer appointments; applications accepted on an on-going basis for academic-year appointments

Benefits: stipend based on research area(s) and academic classification

Funding source(s): U.S. Food and Drug Administration

Contact(s): Linda McCamant
Group Manager
mccamanL@orau.gov
(865) 576-1089

Tasha Powell
Program Specialist
powellt@orau.gov
(865) 574-3911
**Student Research Participation at the U.S. Air Force Institute for Environment, Safety and Occupational Health Risk Analysis**

**Description:** opportunities to participate in research related to environmental health engineering, occupational and environmental health, industrial hygiene and worksite hazards, psychology, and laboratory services

**Discipline(s):** related scientific or engineering disciplines

**Eligibility:** undergraduate and graduate students; U.S. citizens

**Location(s):** Brooks Air Force Base (San Antonio, Texas) and other approved locations

**Duration:** three months to one year; full-time or part-time appointments; renewable

**Frequency:** continuing

**Awards made:** number varies

**Deadline(s):** applications accepted on an on-going basis

**Benefits:** stipend based on research area(s) and academic classification

**Funding source(s):** U.S. Air Force Institute for Environment, Safety and Occupational Health Risk Analysis

**Contact(s):** Sharon Kern  
Project Manager  
kerns@orau.gov  
(865) 576-9361

Betty Bowling  
Program Specialist  
bowlingb@orau.gov  
(865) 576-8503
**Student Research Participation at the U.S. Army Edgewood Chemical Biological Center**

**Description:** opportunities to participate in research and development in support of military missions

**Discipline(s):** biological sciences, computer sciences, engineering, environmental sciences, physical sciences, related scientific disciplines

**Eligibility:** undergraduate and graduate students

**Location(s):** U.S. Army Edgewood Chemical Biological Center (Aberdeen Proving Ground, Maryland)

**Duration:** three months to one year; full-time or part-time appointments; renewable

**Frequency:** continuing

**Awards made:** number varies

**Deadline(s):** applications accepted on an on-going basis

**Benefits:** stipend based on research area(s) and degree; limited reimbursement for inbound travel and moving

**Funding source(s):** U.S. Army Edgewood Research Chemical Biological Center

**Contact(s):**
- Joanne Rasnake
  Project Manager
  Joanne.Rasnake@apg.amedd.army.mil
  (410) 436-7257

- Jody Osborne
  Recruiter
  Joanna.Osborne@apg.amedd.army.mil
  (410) 436-7258
Student Research Participation at the U.S. Army Medical Research Institute of Chemical Defense

Description: opportunities to participate in development of medical countermeasures to chemical warfare agents

Discipline(s): biological, medical, and physical sciences, related scientific disciplines

Eligibility: undergraduate and graduate students with a minimum 3.0 GPA (on a 4.0 grading scale); U.S. citizens

Location(s): U.S. Army Medical Research Institute of Chemical Defense (Aberdeen Proving Ground, Maryland) and other approved locations

Duration: three months to one year; full-time or part-time appointments; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipends based on research area(s) and academic classification

Funding source(s): U.S. Army Medical Research Institute of Chemical Defense

Contact(s): Joanne Rasnake
Project Manager
Joanne.Rasnake@apg.amedd.army.mil
(410) 436-7257

Jody Osborne
Recruiter
Joanna.Osborne@apg.amedd.army.mil
(410) 436-7258
Student Research Participation at the U.S. Army Research Laboratory

Description: opportunities to participate in research and technology development in such areas as engineering, mechanics, chemistry, computational modeling, science, and materials research related to enhancing the lethality and survivability of America's ground forces

Discipline(s): biological, medical, and physical sciences; computer/information science and technology, computational modeling, materials research, related scientific disciplines

Eligibility: undergraduate and graduate students; U.S. citizens

Location(s): U.S. Army Research Laboratory (Aberdeen Proving Ground, Maryland) and other approved locations

Duration: three months to one year; full-time or part-time appointments; renewable

Frequency: continuing

Awards made: number varies

Deadline(s): applications accepted on an on-going basis

Benefits: stipend based on research area(s) and academic classification

Funding source(s): U.S. Army Research Laboratory

Contact(s): Joanne Rasnake
Project Manager
Joanne.Rasnake@apg.amedd.army.mil
(410) 436-7257

Jody Osborne
Recruiter
Joanna.Osborne@apg.amedd.army.mil
(410) 436-7258
University Radioactive Ion Beam Consortium

Description: opportunities for basic research on rare, short-lived atomic nuclei at the Holifield Radioactive Ion Beam Facility

Discipline(s): nuclear physics, nuclear chemistry

Eligibility: faculty members, graduate and postgraduate students, research fellows

Location(s): Holifield Radioactive Ion Beam Facility at Oak Ridge National Laboratory (Oak Ridge, Tennessee)

Duration: extended short-term collaboration

Frequency: specified times, but variable

Awards made: number varies

Deadline(s): ask for current deadlines

Benefits: use of sophisticated, state-of-the-art, unique experimental nuclear equipment

Funding source(s): U.S. Department of Energy, Office of Science; University Radioactive Ion Beam member institutions

Contact(s): H. Kennon Carter
Program Manager
carterk@orau.gov
(865) 576-2642
Other Courses & Training
Emergency Management Laboratory Courses

Description: courses in all emergency management-related disciplines

- Advanced Joint Information Center Management Course
- Beyond the Traditional Tabletop Exercise
- Community Relations Under the National Environmental Policy Act
- Community Relations Under Superfund
- Comprehensive Emergency Public Information
- Consequence Assessment Training
- Crisis Management for Senior Government Officials
- Emergency Management Appraisal Training
- Emergency Management for Key Response Personnel
- Emergency Management in the Department of Energy System
- Emergency Response Drill and Exercise Primer
- Emergency Response Exercise Controller/Evaluator Training
- Hazards Assessment for Emergency Planning and Emergency Event Classification
- Health/Risk Assessments
- How to Develop an Emergency Response Exercise Package
- Natural Disaster Drill and Exercise
- Self-Assessment Training
- Spokesperson

Discipline(s): various disciplines related to emergency management

Eligibility: varies by course; typically federal, state, or local governments or government contractors

Location(s): on site

Duration: varies by course; typically one to three days

Frequency: as needed/required

Contact(s): Chip Hultquist
Technical Director
hultquic@orau.gov
(865) 576-9647
**Medical Education and Outreach**

**Description:** combined lecture and hands-on computer training courses on how to access the National Library of Medicine’s HIV/AIDS and Toxicology and Environmental Health databases:

- Connecting People and Resources
- A Click Away: Access to Reliable Health Information
- NLM’s Toxicology and Environmental Health Databases
- The Delta Connection
- TOXNET on the Web

**Discipline(s):** environmental sciences, eco-toxicology, environmental justice, hazardous materials management and handling, health sciences, industrial hygiene, library and information sciences, life sciences, medical sciences, natural sciences, occupational health, pathology, pharmacology, physiology, risk assessment, management and communication, toxicology

**Eligibility:** college faculty, staff, and administrators; health professionals (e.g., physicians, nurses, pharmacists); community leaders; and representatives from community-based organizations and state and local health agencies

**Location(s):** selected Historically Black Colleges and Universities and Minority Educational Institutions across the United States

**Duration:** varies by course; typically one-half to one day

**Frequency:** as needed/required

**Contact(s):** Rose S. Foster
Manager, MEO
fosterr@orau.gov
(865) 576-9342
Professional Training Programs

Description: hands-on, laboratory-based courses in the areas of health physics, medical health physics, environmental monitoring, and radiological surveys in support of decommissioning

• Air Sampling for Radioactive Materials
• Applied Health Physics
• Environmental Monitoring
• Gamma Spectroscopy
• Health Physics for Industrial Hygienists
• Introduction to Radiation Safety
• MARSSIM
• X-Ray Physics for Inspectors

Discipline(s): radiation protection
Eligibility: varies by course
Location(s): Oak Ridge Institute for Science and Education (Oak Ridge, Tennessee)
Duration: varies by course
Frequency: varies by course
Contact(s): Paul Frame
Group Leader
framep@orau.gov
(865) 576-3388
Registrar
(865) 576-3576
Radiation Emergency Assistance Center/Training Site (REAC/TS) Courses

Description: continuing courses in responding to radiation accidents
- Handling of Radiation Accidents by Emergency Personnel
- Health Physics in Radiation Accidents
- Medical Planning and Care in Radiation Accidents

Discipline(s): medical management of radiation accidents

Eligibility: varies by course; physicians and nurses, health physicists, or state health officers

Location(s): Radiation Emergency Assistance Center/Training Site (REAC/TS), Oak Ridge Institute for Science and Education (Oak Ridge, Tennessee)

Duration: varies by course

Frequency: varies by course

Funding source(s): U.S. Department of Energy

Contact(s): Gail Mack
Registrar
mackg@orau.gov
(865) 576-3132
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