What is ORAU?

501©3 nonprofit corporation

University consortium of major Ph.D. granting Institutions focused on advancing scientific research and education through partnerships.

U.S. Department of Energy (DOE) contractor managing the Oak Ridge Institute for Science and Education.
Science and Education Mission

- Foster the development of the scientific workforce of the future.

- To manage educational programs to help ensure an adequate supply of scientists, engineers, and technicians to meet future science and technology missions.

Science does not know its debt to imagination.
- Ralph Waldo Emerson
Why ORISE?

- Internship and Fellowship Opportunity
- Direct research experience with the government
- Access to highly experienced mentors and researchers
- Loan deferment
ORAU Science Education Programs

Knowledge Preservation

Science Education Programs

Visiting Scientists

Faculty

Post Graduates

Students
Science Education Program Degree Disciplines

Agriculture
Agronomy
Anatomy
Animal Breeding and Genetics
Animal Genetics
Animal Sciences
Anthropology
Applied Mathematics
Archaeology
Architectural/Environmental Design
Astronomy
Atmospheric Physics/Chemistry
Atmospheric Sciences
Atomic and Molecular Physics
Biochemistry
Biological Sciences
Bioinformatics
Biostatistics
Biophysics
Botany
Chemistry
Computer Science
Cytology
Earth Science
Ecology
Economics
Engineering
Entomology
Environmental Health
Environmental Science
Epidemiology
Fish and Wildlife
Fisheries Science
Food Science and Technology
Forestry
Genetics
Geochemistry
Geography
Geology/Geological
Engineering
Geophysics
Health Education & Promotion
Health Physics
Horticulture
Human Genetics
Hydrology, Water Resources
Immunology
Industrial Technical Mfg
Industrial Hygiene
Information Science
Marine Science
Material Science
Math Statistics
Mathematics
Medical Sciences
Metallurgy
Microbiology
Mineralogy
Molecular Biology
Nanotechnology
Neurosciences
Oceanography
Occupational Health
Parasitology
Pathology
Petroleum Geology
Pharmacology
Physics
Physiology
Plant Sciences
Plasma Physics
Polymer Sciences
Public Health
Public Policy
Psychology
Science Education
Soil Science
Solid State Physics
Statistics
Systems Design
Veterinary Medicine
Wildlife
Management
Zoology

…and many more!
**ORISE Program Terminology**

<table>
<thead>
<tr>
<th>Participant</th>
<th>Employee, Worker</th>
</tr>
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<tbody>
<tr>
<td>Participate</td>
<td>Work</td>
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<tr>
<td>Appoint, Select</td>
<td>Hire</td>
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<tr>
<td>Mentor</td>
<td>Supervisor</td>
</tr>
<tr>
<td>Stipend</td>
<td>Salary</td>
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Science is a wonderful thing if one does not have to earn one's living at it. - *Albert Einstein*
ORISE Program Overview

Student Guidelines

- Currently pursuing a degree at various levels
- Maintain minimum 2.5 GPA
- Progress at a rate of at least 12 credit hours per calendar year

Postgraduate Guidelines

- Received degree within the past five years
- Degree discipline in a science, technology, engineering or math (STEM) field
ORISE Program Overview

Knowledge Preservation

- Have knowledge that is critical to meet the current and future needs of the U.S. and the Program Facility
- Retired Federal affiliated personnel

Visiting Scientists

- Short-term research visits for collaborative research that is related to ongoing research mission
- Guest lecturers may be full-time faculty members and graduate students from U.S. colleges and universities, researchers from the private sector, or retired scientists.
- Visiting scientists and guest lecturers are considered on a case-by-case basis.
ORISE Program Overview

Faculty assignments
- FT precollege teacher at accredited U.S. public or private school
- FT faculty member at an accredited U.S. college or university

Certificate
- Currently holds a bachelor’s degree or higher
- Complements higher degree
- Certificate requires minimum 30 semester credit hours

Veterans
- Received a degree within the last ten years
- Honorably Discharged or Disabled Service Member
Program Sponsors Include:

Centers for Disease Control
Department of Commerce
Department of Defense
Department of Energy
Department of Homeland Security
Environmental Protection Agency
Federal Bureau of Investigation
Food and Drug Administration
National Aeronautics and Space Administration
National Institutes of Health
National Oceanic and Atmospheric Administration
National Science Foundation
Nuclear Regulatory Commission
Oak Ridge National Laboratory
Research Participation Sponsors

**US ARMY**
US Army Public Health Command (USAPHC)
US Army Environmental Command (USAEC)
US Army Edgewood Chemical Biological Command (USAECBC)
US Army Research Lab (ARL)
US Army Training Support Command (USATSC)
US Army Aberdeen Proving Ground Department of Public Works (DPW)
US Army Aviation and Missile Research Development & Engineering Center (AMRDEC)
US Army Medical Research Materiel Command (USAMRMC)
US Army Medical Research Institute of Chemical Defense (USAMRICD)
US Army Walter Reed Army Institute of Research (USAWARAIR)
US Army Medical Research Institute for Infectious Disease (USAMRIID)
US Army Aeromedical Research Laboratory (USAARL)
US Army Center for Environmental Health (USACEHR)
US Army Institute of Surgical Research (USAISR)
US Army Research Institute for Environmental Medicine (USARIEM)
US Army Telemedicine and Advanced Technology Research Center (USATATRC)
US Army Natick Soldier Research, Development & Engineering Center (NSRDEC)
US Army Corps of Engineers (ACE)
US Army Construction Engineering Research Laboratory (CERL)
US Army Cold Regions Research Laboratory (CRREL)
US Army Coastal & Hydraulics Laboratory (CHL)
US Army Engineering Research and Development Center (ERDC)
US Army Corps of Engineers (USACE) – St. Louis, MO
Research Participation Sponsors

**Joint - DoD**
Office of the Secretary of Defense, Office of Diversity Management & Equal Opportunity (ODMEO)
National Geospatial Agency (NGA)
Defense Prisoner of War/Missing Personnel Office (DPMO)
Joint POW/MIA Accounting Command - Central ID Lab – Hawaii (JPAC-CIL)
US Southern Command (USSOUTHCOM)

**US NAVY**
US Naval Medical Research Unit-Dayton & San Antonio (NAMRU)
US Navy and Marine Corps Public Health Center (NMCPHC)

**US AIR FORCE**
US Air Force Research Laboratory (AFRL)
US Air Force School of Aerospace Medicine (USAFSAM)
US Air Force Institute of Technology (AFIT)

**OTHER (Non-Federal Entity)**
Johns Hopkins University Applied Physics Laboratory (JHU-APL)
The Nature Conservancy (TNC)

**OTHER (Federal)**
Center for Medicaid and Medicare Innovation (CMMI)
Health Resources and Service Agency (HRSA)
National Institutes of Health (NIH)

**Corporate Customer**
US Army Research Laboratory (ARL) - Postdoctoral Fellowship Appointments - Contract
Frequently Asked Questions

Stipend Payment

- Based upon experience and education level
- GS pay scale
- Only state and federal taxes applicable, quarterly taxes recommended
- Not an employee but rather a participant in the program

Length of Appointment

- Typically for one year, renewable up to a total of 4 or 5 years
- Varies upon need and availability

Time and Attendance

- Assume participation is full time unless otherwise specified
- Given one annual absence and one sick absence per month
Tell me and I forget, teach me and I may remember, involve me and I learn. - *Benjamin Franklin*