

A slide show about REU put  
together by Alan Wilson

[http://www.ag.auburn.edu/fish/faa-  
directory/alan-e-wilson/](http://www.ag.auburn.edu/fish/faa-directory/alan-e-wilson/)

# Research Experiences for Undergraduates

Training for enrolled U.S. undergraduates in many disciplines, such as chemistry, physics, mathematics, geology, and ecology

[http://www.nsf.gov/crssprgm/reu/reu\\_search.cfm](http://www.nsf.gov/crssprgm/reu/reu_search.cfm)  
google “nsf reu search”; choose first hit

**This experience will change  
your life**



National Science Foundation  
WHERE DISCOVERIES BEGIN

# Available REU experiences

## Sites

8 to 10 week summer group (8-10 students) experience

Year-long group (8-10 students) experience

## Supplements (to an individual's NSF award)

8 to 10 week summer individual or paired student experience

National and international opportunities

Disciplinary, interdisciplinary, or educational programs

# Scientific disciplines

Astronomical Sciences  
Atmospheric and Geospace  
Sciences  
Biological Sciences  
Chemistry  
Computer and Information  
Science and Engineering  
Cyberinfrastructure  
Department of Defense  
Earth Sciences  
Education and Human  
Resources

Engineering  
Ethics and Values Studies  
International Science and  
Engineering  
Materials Research  
Mathematical Sciences  
Ocean Sciences  
Physics  
Polar Programs  
Social, Behavioral, and  
Economic Sciences

# How to identify programs

[http://www.nsf.gov/crssprgm/reu/reu\\_search.cfm](http://www.nsf.gov/crssprgm/reu/reu_search.cfm)

Search by discipline, keywords, or state

Websites

e.g., <http://bioreu.org/>

Listservs

e.g., ECOLOG, <https://listserv.umd.edu/archives/ecolog-l.html>

Emails from your teachers and friends

Flyers around your campus

Talk to your friends who have been REUs

# Training Activities

Engage in experiential research

Critique, develop, and present professional presentations

Scientific ethics

Networking and preparing for opportunities beyond undergraduate education

Formal and informal meetings with faculty and students

# Typical Financial Support

## Support

stipend (~\$4,500/10 weeks)

lodging and food

travel to and from REU location

research funds (~\$500)

# Program information

Application processes vary

- paper-based or online

- typically available at REU homepage

- submitting an application to multiple programs is acceptable

References

- teachers, advisors, previous employers

Deadlines

- typically early Spring

Competitive

- roughly 5% of the applicants are selected



# General requirements

U.S. citizen or permanent resident

Enrolled undergraduates

Part-time or full-time leading to associate or baccalaureate degrees

Transfer students changing undergraduate institutions are eligible

# Why to apply?

Learn new and exciting things

Gain research experience

Prepare for graduate school

Enhance professional network

# Useful websites

## EXTERNAL UNDERGRADUATE RESEARCH RESOURCES FUNDING AGENCIES

NSF [http://www.nsf.gov/crssprgm/reu/reu\\_search.cfm](http://www.nsf.gov/crssprgm/reu/reu_search.cfm)

NASA <http://usrp.usra.edu/>

NOAA [http://www.oesd.noaa.gov/internships\\_opps.html#UNDERGRADUATE](http://www.oesd.noaa.gov/internships_opps.html#UNDERGRADUATE)

EPA <http://www.epa.gov/careers/stuopp.html>

USDA [http://www.usda.gov/wps/portal/usda/usdahome?navid=INTERN\\_SCHOLAR](http://www.usda.gov/wps/portal/usda/usdahome?navid=INTERN_SCHOLAR)

NIH <https://www.training.nih.gov/programs>

# Useful websites

## SITES WITH UNDERGRAD RESEARCH OPPORTUNITIES

<http://people.rit.edu/~gtfsbi/>

<http://ashlandscience.blogspot.com/>

<http://www3.sdstate.edu/wfs/internship/summer/>

<http://www.bioreu.org/>

<http://www.ams.org/profession/student>

[https://www.aamc.org/members/great/61052/great\\_summerlinks.html](https://www.aamc.org/members/great/61052/great_summerlinks.html)

<http://www.bio.jhu.edu/Undergrad/files/SummerOpportunities.pdf>

<http://www.geo.cornell.edu/eas/PeoplePlaces/Faculty/mahowald/career/REUIdeas.htm>

<http://wfsc.tamu.edu/jobboard/>

<http://jobs.forestry.uga.edu/>

<http://www.fisheries.org/afs/jobpage-php>

<http://www.biology.duke.edu/jackson/ecophys/undergrad.htm>