

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
google “nsf reu search”; choose first hit

**This experience will change
your life**



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/crssprqm/reu/reusearch.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

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

NOAA <http://www.oesd.noaa.gov/internshipsopps.html#UNDERGRADUATE>

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

USDA 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>