Internship and Undergraduate Research Information 2013

How to obtain Internships, Research and other opportunities:

1) **Research** - Look at potential areas of research and determine which best fits your interests.
2) **Communicate and Connect** - Find a person that is working in the area you are interested in. Educate yourself about their work – more research.
3) **Contact** - Craft an email and/or follow up with a phone call to the contact expressing your interest. Researchers are interested in talking about their research, particularly with excited students.
4) **Persistence** - Don't give up after one try. Pursue several opportunities and put in the time/effort required to achieve success.
5) **Apply** - You can't get the position unless you apply. Go all the way and fill out the application documents.

It’s all about NETWORKING! 20% of jobs are posted, 80% are found through networking.
- **Read your emails** (including College of Engineering and STEM Newsletters)
- **Register on BroncoJobs** and search for opportunities
- **Research** list of companies and submit cover letter and resume.
- **Attend the Boise State Career Fairs** every Fall and Spring semester ([http://career.boisestate.edu](http://career.boisestate.edu))
- **Create a resume now**
- **Use LinkedIn** [www.linkedin.com](https://www.linkedin.com) and **Twitter** [https://twitter.com](https://twitter.com)
- **Enhance and gain new SKILLS.** Skills gained through **work, class projects, hobbies** (troubleshooting, working in teams, gathering data, analyzing data, testing, design, build, solving problems, writing technical reports, presenting results, fixing computers, working on computers, programming, drafting, electronics, machining, mechanics).
- **Join student organizations**, and pursue leadership roles
- **Attend** guest speaker presentations, seminars, conferences, and other events

Resources: Research Opportunities at Boise State

Student Research Initiative Fellowship Program  [http://academics.boisestate.edu/undergraduate/undergraduate-research/student-research-initiative/](http://academics.boisestate.edu/undergraduate/undergraduate-research/student-research-initiative/)

Department Sponsored Research for Credit  Speak to your professors individually

McNair Scholars Program  [http://edweb.boisestate.edu/mcnair/program.php](http://edweb.boisestate.edu/mcnair/program.php)

Idaho IDeA Network of Biomedical Research Excellence  [http://inbre.uidaho.edu/](http://inbre.uidaho.edu/)


Louis Stokes Alliance for Minority Participation  [http://stem.boisestate.edu/lsamp/](http://stem.boisestate.edu/lsamp/)

NSF REU in Mathematics  [http://math.boisestate.edu/reu/](http://math.boisestate.edu/reu/)

NSF REU in Chemistry  [http://chemistry.boisestate.edu/REU/](http://chemistry.boisestate.edu/REU/)

Resources: Research Opportunities beyond Boise State

A great resource for students to connect with employers in the Treasure Valley, Idaho, and Nationwide. (Developed by the MSE department)  [https://sites.google.com/a/boisestate.edu/mse_connections/contacts](https://sites.google.com/a/boisestate.edu/mse_connections/contacts)


Government Jobs – [www.makingthedifference.org](http://www.makingthedifference.org)

One Stop Shopping for NASA-supported internships, fellowships and scholarships:  [https://intern.nasa.gov/](https://intern.nasa.gov/)

Idaho National Laboratory (summer and academic year),
https://inlportal.inl.gov/portal/server.pt/community/education/679/undergraduate_internships
Eligible: Freshman through graduate students

U.S. Department of Energy, Science Undergraduate Laboratory Internship (summer & academic year)
http://science.energy.gov/wdts/suli (Boise State has priority for this program)
Eligible: High school graduating senior through college senior

U.S. Department of Energy and NSF, Visiting Faculty Program (summer)
(Boise State has priority for this program) Must form team of one faculty and two or three students
http://www.science.energy.gov/wdts/vfp/

Bettis Summer Intern Program http://bettislab.com/internprogram.html
Knolls Atomic Power Laboratory (KAPL) http://www.knollslab.com/interns.html Eligible: undergrads (completed sophomore year), or graduate students in engineering, science, or business. All candidates must be a U.S. citizen Questions: interns@bettis.gov

Office of Naval Research – Naval Research Enterprise Intern Program – NREIP (summer)
https://nreip.asee.org/ Eligible: Juniors, seniors, graduate students

National Institutes of Health (NIH) Opportunities
NIH Website: https://www.training.nih.gov/programs & Google “INBRE Summer Research” to find sites at other states

National Science Foundation (NSF) Research Experiences for Undergraduates (mostly summer)
Hundreds of NSF sponsored internships all over the country http://www.nsf.gov/crssprgm/reu/reu_search.cfm
Eligible: Freshman through senior Application: Deadlines vary -- see Web site

Pathways to Science
- For Undergraduates: Paid Summer Undergrad Research Placements: Over 400 programs - REU and Other Summer Research Opportunities for Undergrads http://www.pathwaystoscience.org/SummerResearch.asp
- For Financial Support in Graduate School Opportunities: Bridges, GK-12, IGERT and NSF Grad Research Fellowship programs provide generous stipend and tuition support for students through the National Science Foundation: http://www.pathwaystoscience.org/Grad.asp
- For Postdoc opportunities: http://www.pathwaystoscience.org/Postdocs_portal.asp

Case Western, Undergraduate Research – For students interested in polymer research
http://polymers.case.edu/highlights/undergrad_summer.htm

Cornell, Undergraduate Research – incl. LSAMP Summer Research
www.engineering.cornell.edu/diversity/summer/lsamp.cfm

Cornell Center for Materials Research Programs http://www.ccmr.cornell.edu/education/reu/

American Society for Engineering Education – Fellowship Programs http://www.asee.org/fellowship-programs

The National Defense Science and Engineering Graduate (NDSEG) Fellowship Program for Graduates
http://ndseg.asee.org/

The National Science Foundation East Asia and Pacific Summer Institutes (NSF-EAPS) Program
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5284

Science, Mathematics, and Research for Transformation (SMART) Defense Scholarship for Service Program (for Graduate and Undergraduates) http://smart.asee.org/

Need help? Follow up with campus resources:
- Leandra Aburusa, COEN Student Support Coordinator, ENGR 101, laburusa@boisestate.edu
- Anne Evans, Internship Coordinator, Career Center, aneevans@boisestate.edu
- Emily Flores, LSAMP Coordinator, emilyflores@boisestate.edu
- Pat Pyke, Director of STEM Station, ppyke@boisestate.edu
- Boise State Career Center, ACS 111, 426-1747, career@boisestate.edu
- Barbara Morgan, Distinguished Educator in Residence, barbaramorgan@boisestate.edu – Please CC kimberlylong@boisestate.edu