

Why do Research as an Undergraduate?

You get to learn about something know one else has studied before!

- Build skills (physics and more)
- Opportunity to DO physics
- Explore career options
- Earn money (in some cases)
- Earn credit (in some cases)
- Build connections

Different types of URES

- Government programs:
 - NSF-REU National Science Foundation Research Experiences for Undergraduates
 - DOE-SULI Department of Energy Summer Undergraduate Laboratory Internship
 - Other government agencies
- Industrial programs
- Academic programs
 - On campus
 - Off campus

How to find UREs -

Online

- The Nucleus physics community
- NSF REU site
- DOE SULI site
- WebGURU
- Pathways to Science
- Physics Today
- <u>USA Jobs</u> government jobs for students

How to find UREs -

Locally

- Campus resources
 - Department
 - Campus careers services office
 - Faculty
- Other local opportunities
 - Newspapers
 - Job/career fairs

Search Tips

- Choose "keywords" carefully
 - Astronomy
 - Biophysics
 - Chemistry
 - Computational science

- Engineering
- Materials Science
- Physical Science
- •Etc....

- Ask questions
 - Schedule (school/job/other)
 - Project
- Volunteer or work for academic credit during academic year
- Ask contacts for suggestions

How to Apply – START EA

- Do research on "the job"
- Develop a good essay or cover letter
 - Focus on fit: skills AND motivation matter
 - Quality Matters: get it reviewed
- PERSONAL Recommendations matter
 - Select recommenders that know you, not just your grades
 - Provide recommender with application materials (job description AND essay)

Once you apply -

- Follow up to make certain application is complete
- Respond to requests from potential employer promptly and professionally
- Apply to more programs