

# REU Information Session

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Friday, November 18th



#### What is REU?

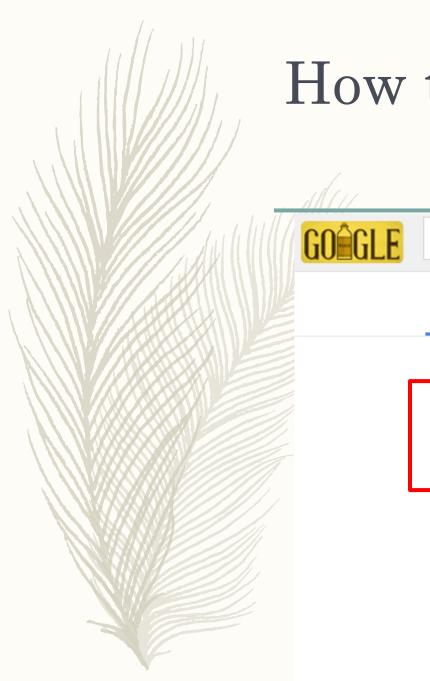
- Research Experience for Undergraduates
- Paid summer research
- Sponsored by the Host Institution and the National Science Foundation
- Experience grad school



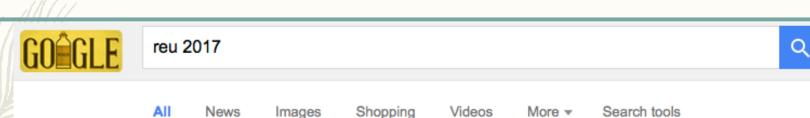
#### REU Program

- 10 Weeks of research
- \$5,000 stipend
- Housing and Travel (depends on program)
- Attend talks
- Work with graduate students, postdocs, and professors
- Networking or grad school opportunities
- Mentoring
- Give a final talk and submit a research report





#### How to find REUs?



About 406,000 results (0.38 seconds)

#### Search for an REU Site | NSF - National Science Foundation

https://www.nsf.gov/crssprgm/reu/reu\_search.cfm •

Research Experiences for Undergraduates (REU). REU Program Overview ... Search for an REU Site. Astronomical Sciences ... Search Clear. List all REU sites ...

#### REU Sites | NSF - National Science Foundation

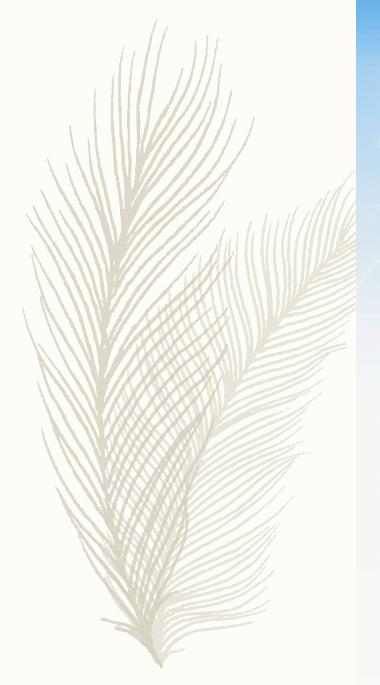
https://www.nsf.gov/crssprgm/reu/list\_result.jsp?unitid=5047 ▼

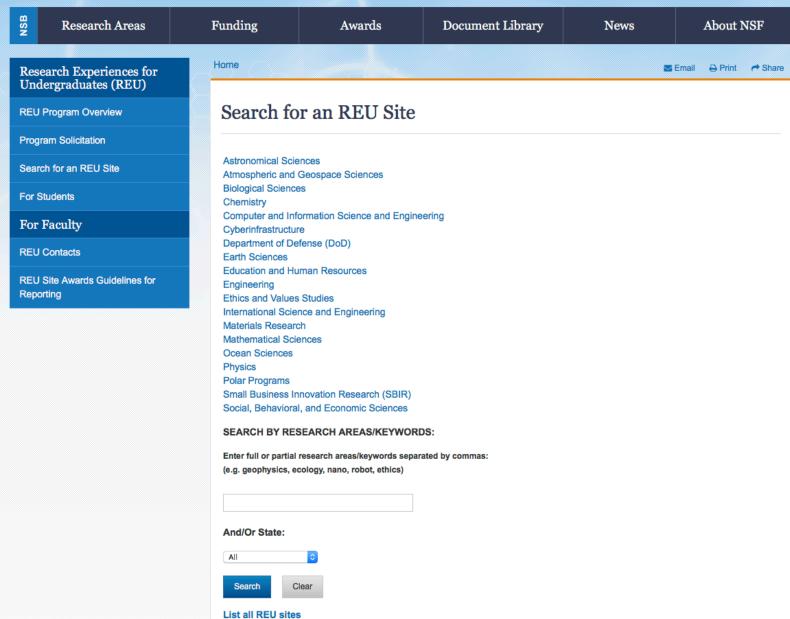
139 items - **REU** Alumni: Please note the following opportunities: (1) Graduate Research ... Please report errors in the list below by writing to reu.bio@nsf.gov.

#### Research Experiences for Undergraduates | NSF - National Science ...

https://www.nsf.gov/home/crssprgm/reu/ •

May 26, 2017. Fourth Friday in May, Annually Thereafter. Deadline for REU Site proposals requiring access to Antarctica. All other REU Site proposals must be ...

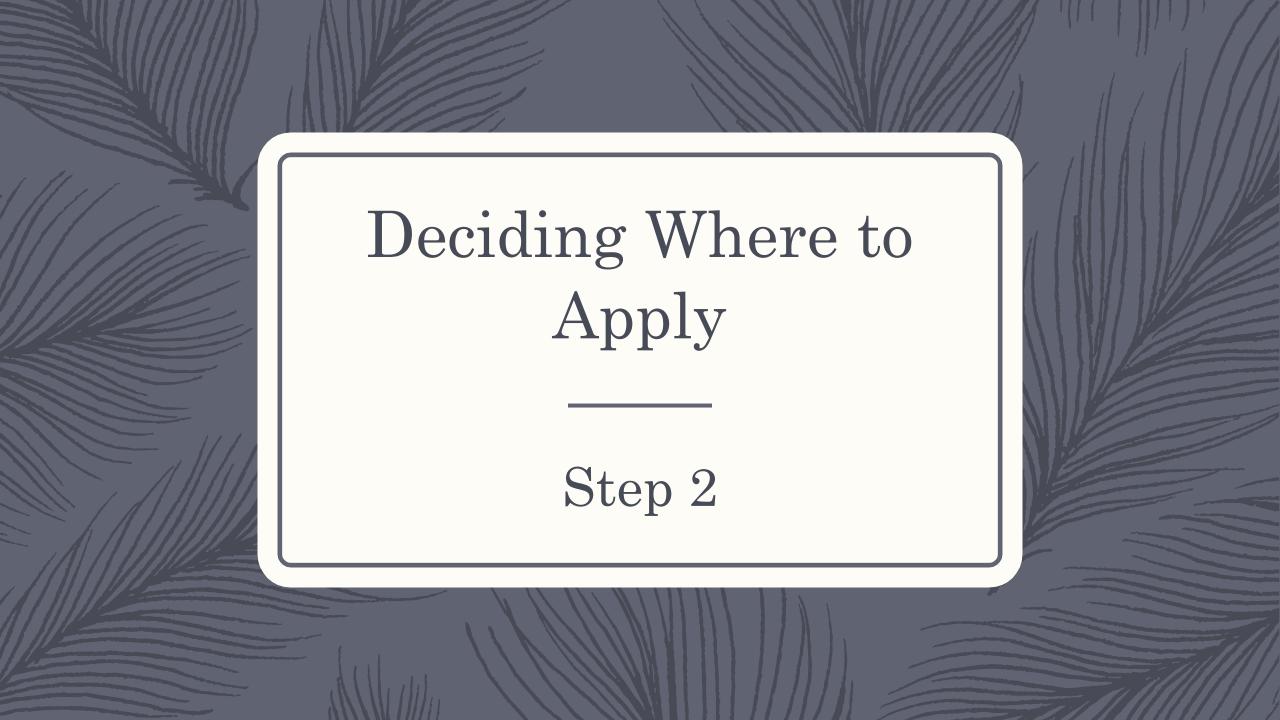






58 items found, displaying 1 to 20. [First/Prev] 1 2 3 [Next/Last]

Site Information	<b>♦ Site Location</b>	\$Contact Information	Additional Information
Alabama A&M University	Normal, Alabama	Primary: Dr. Padjama Guggila	Research Topics/Keywords: Materials Science,
Physics REU at AAMU		(256) 372-8141	Optics and Space Science
Department of Physics		padmaja.guggilla@aamu.edu	Abstract of Award
			Cofunded: Materials Research
Baylor University	Waco, Texas	Primary: Truell Hyde	Research Topics/Keywords: Astrophysics, Plasn
Baylor University (CASPER)		(254) 710-6717	Particle, Quantum Space, Superstring and Surface
REU/RET Site Proposal		Truell_Hyde@baylor.edu	Physics
Physics			Comments: RET component
			Abstract of Award
Black Hills State University	Spearfish, South Dakota	Primary: Dr. Brianna Mount	Research Topics/Keywords: Physics, Biology,
REU Site: Multidisciplinary		(605) 642-6094	Chemistry and Underground Science
Underground Science at the Sanford		Brianna.mount@bhsu.edu	Abstract of Award
Underground Research Facility			
Department of Natural Sciences			
Brigham Young University	Provo, Utah	Primary: Professor R. Steve Turley	Research Topics/Keywords: Atomic Physics,
REU Site: Physics Research at		(801) 422-3095	Condensed Matter, Visible Astronomy, Acoustics,
Brigham Young University		reu@byu.edu	Ultrafast Nonliner Optics, Computational &
Department of Physics and			Experimental Plasma Physics, Extreme Ultraviola
Astronomy			Optics, Surface Physics, Electron Microsopy
			Comments: RET component is funded.
			Abstract of Award
			Cofunded: Materials Research
California Institute of Technology	Pasadena, California	Primary: Professor Alan J. Weinstein	Research Topics/Keywords: Gravitational radiat
REU Site: Gravitational-Wave		(626) 395-2216	from astrophysical sources, including precision
Astrophysics in the LIGO Project		ajw@ligo.caltech.edu	measurements, laser interferometry, optical system
LIGO-PMA			electronics, servo controls, complex mechanical
			systems, environmental moni
			Abstract of Award
Coe College	Cedar Rapids, Iowa	Primary: Ms. Susan Noreuil	Research Topics/Keywords: Physics and Chemi
REU Site: Spectroscopy at Coe		(319) 399-8524	Optics, Glass Science, Acoustics, Molecular Biolo
College		snoreuil@coe.edu	Modeling and Biomaterials
Departments of Physics			Comments: RET Component





#### Things to think about

- What kind of work do you want to do?
  - Theory or Experimental or Computational
- What areas interest you the most?
  - Materials, High Energy. Optics, Biophysics...etc.
- What courses have you taken or will take that can help your application?
- Where do you want to go?
  - East Coast, West Coast, South, Midwest?



## Research! Research! Research!

It will be helpful to know who you want to work with from each program so you can tie it into your personal statement.





#### Before the Application

- Check eligibility
- Review projects and mentors to identify your preferences and interests
- Secure 2-3 faculty recommenders (email in advance!!!!)
- Prepare transcript and CV/resume



#### Eligibility

- Must be an undergraduate student\*
- US citizen or permanent resident
- See any special requirements based on the program

\*Seniors may not be eligible



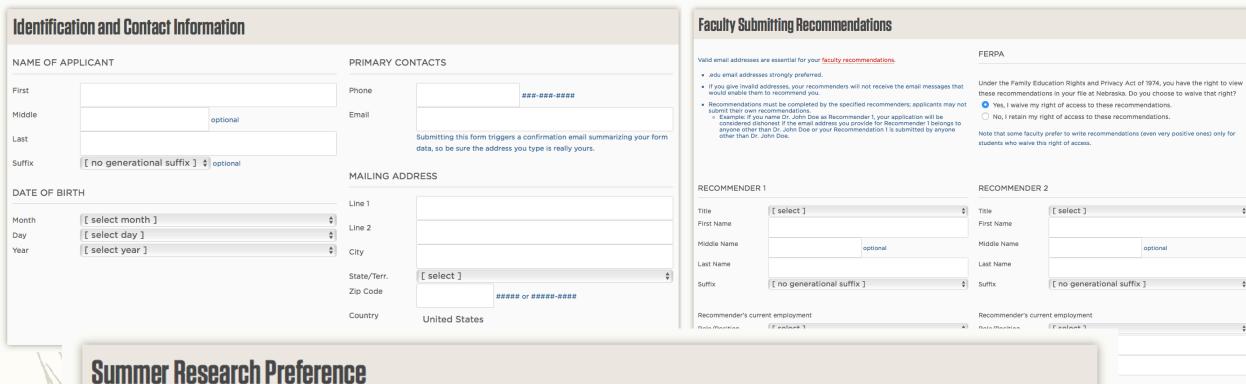
Read through the entire application before applying!

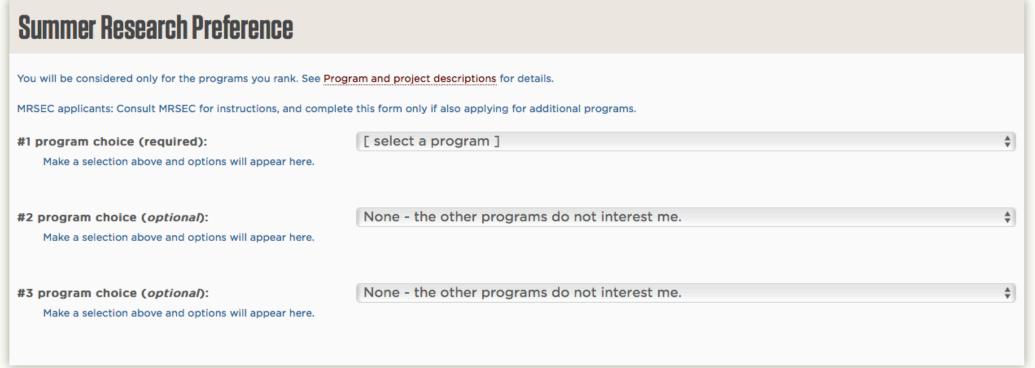
# - GPA

#### Online Form

- Contact information
- Education information
  - Course hours

  - Course list
- References
  - Need professors' email
- Candidate Statement\*\*







#### Candidate Statement/Short Answer Section

- Opportunity to provide faculty with information about your
  - research experience
  - personal strengths
  - educational goals.
- Chance to explain anything that wasn't addressed in other sections
  - Academic deficiencies

Tell them why you are the ideal candidate!



#### Transcripts

- Email or mail
- Request a copy from the registrar to scan and send in
- Screenshots not acceptable

\*\*Transcripts can take a day or two so make sure to request it well in advance!



#### Faculty Recommendations

- Pick 2-3 professors that know you well!
- Email professors at least 3 weeks in advance
- Who is responsible for turning in the recommendations?
  - Faculty or will the program contact them
- Check whether they need to fill out any additional forms
- Professors are busy so send them gentle reminders



#### Deadlines

- Make sure you know when the application is due!
- Try to apply before the last day to avoid any site issues.



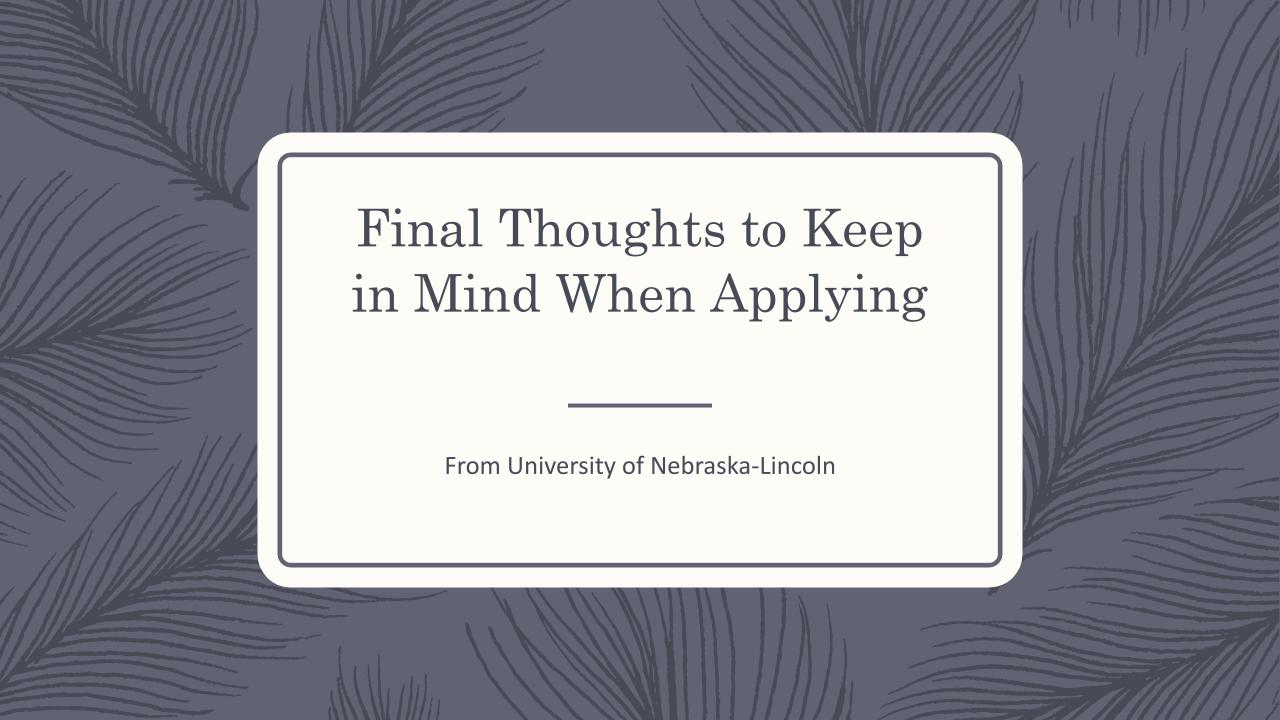
– Check the website!

Respond to any requests ASAP!!

 You may not hear back from programs so you can always email the contact person.

 If you don't hear anything by April start looking for other summer opportunities.







### Reviewers look for applicants who:

- Have a passion for the discipline
- Show an interest in earning an advanced degree
- Bring diverse talents and skills to the research team



#### Strong Applications Include:

- Evidence of high academic achievement and preparation
- Evidence of teamwork and independent problemsolving skills
- Faculty recs from those who can speak about academic performance
- Materials that are well written and free of error