

THE BARRY GOLDWATER SCHOLARSHIP

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AGENDA

What is a Fellowship?

About CAELD

The Goldwater Scholarship

Hollings Scholarship

NSF REUs

Other Relevant STEM Awards

Questions

The image features a light beige background with two thin, dark grey lines intersecting. One line runs diagonally from the top-left towards the bottom-right, while the other runs from the top-right towards the bottom-left. The intersection point is located in the upper-left quadrant of the frame. To the right of this intersection, the text "WHAT IS A FELLOWSHIP?" is displayed in a bold, black, sans-serif font, arranged in two lines.

**WHAT IS A
FELLOWSHIP?**

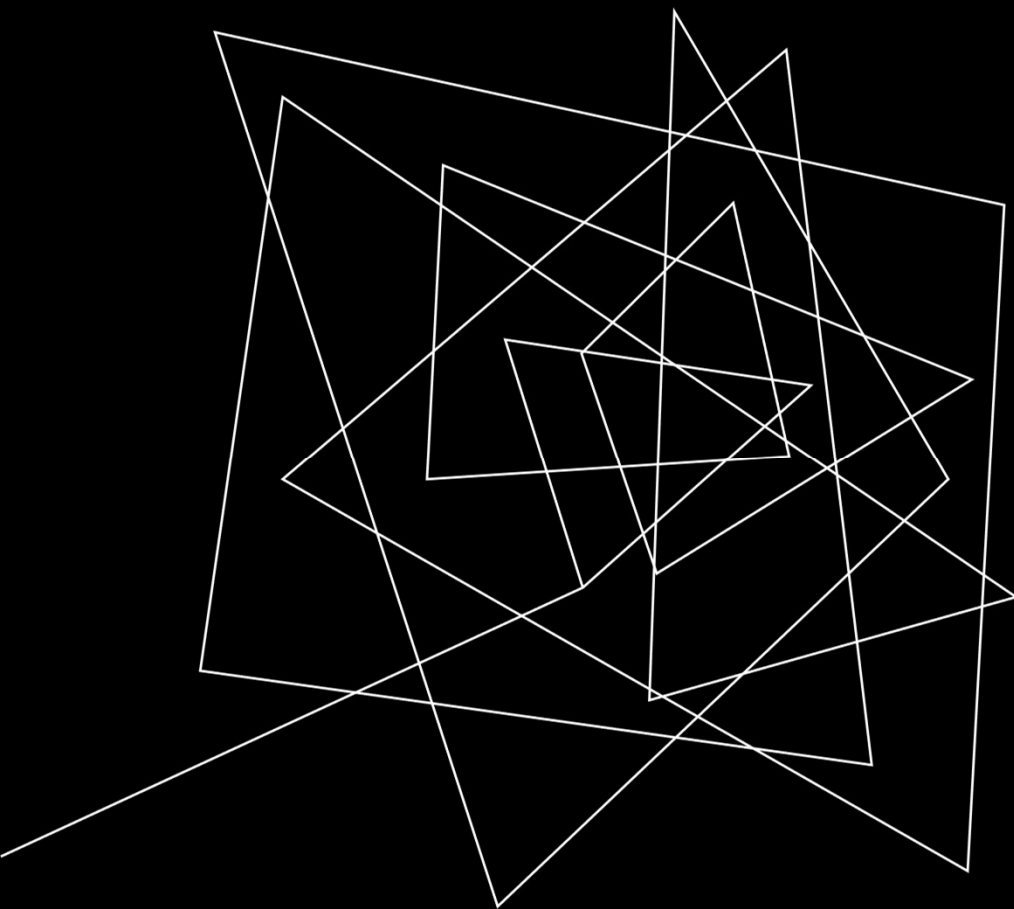
THE CENTER FOR ACADEMIC ENGAGEMENT & LEADERSHIP DEVELOPMENT (CAELD)

CAELD's Primary Mission:

- Prepare UNM students for life after graduation – strengthen each student's potential to become a competitive candidate for nationally competitive fellowships, graduate school, and professional work

Working with CAELD:

- Explore academically / professionally relevant opportunities @ UNM and beyond
- Guidance for navigating the fellowship application process
- Feedback on your written materials to strengthen your application
- Workshops & alumni panels



BARRY GOLDWATER
SCHOLARSHIP & EXCELLENCE IN EDUCATION FOUNDATION

THE BARRY GOLDWATER SCHOLARSHIP

Goldwater provides a continuing sources of highly qualified scientists, mathematicians, and engineers by awarding scholarships to college students who intend to pursue careers in these fields



THE BARRY GOLDWATER SCHOLARSHIP

Who Can Apply?

- College [Sophomores and Juniors](#)
- Intend to pursue a research **career** in [natural science, mathematics, or engineering](#)
- Have a GPA of at least a 3.00 on a 4.00 scale
- Be a U.S. citizen or permanent resident

Funding

Each Goldwater scholar annually receives an amount equal to the cost of tuition, fees, books, and housing minus the amount of support provided by other sources.

- Up to an annual maximum of \$7,500 for 2 years (4 semesters) for sophomores or one year (2 semesters) for juniors

THE BARRY GOLDWATER SCHOLARSHIP

Common Questions

1. What if I want to study medicine or veterinary medicine?
2. How many scholarships are available?
3. What if I want to do Social Behavioral work?

Answers

1. Research **must** be a central aspect of the student's career plan – only eligible for Goldwater if the student plans to pursue a joint MD/PhD or DVM/PhD program
2. Approximately 500 Goldwater Scholarships are awarded every year (minus last year's sophomores)
3. Careers in social behavioral work are not supported, but research questions that address this area from a neuroscience perspective are – do you use the research tools commonly found in the natural sciences, math, or engineering?

THE BARRY GOLDWATER SCHOLARSHIP

The Application

1. 3 short essays
 - a. Career Goals & Professional Aspirations
 - b. Significant Experience
 - c. “Optional” essay
2. Transcript (unofficial)
3. 3 Rec letters (STEM ideal)
4. The application itself is a dense, deconstructed résumé

The Research Essay

- There is a spectrum for how students approach this essay:
 1. Completed Projects: easier, but still compelling **if** you discuss the future direction of the project
 2. Projects in Progress: harder, but great opportunity to discuss direction and anticipated results
 3. Future Projects: Most difficult, but great opportunity to show initiative and creative thinking
- Assume your reader is an academic but has no knowledge of your topic – provide relevant context in Background / Intro
- Explicitly describe your roles / responsibilities with the project



THE BARRY GOLDWATER SCHOLARSHIP

How to Get Started

- All applicants **must** complete the [Goldwater Pre-Application](#) to gain access to the student portal
- You will need to list the 3 names and email addresses for your recommendation letter writers
- Provide brief, but detailed, descriptions of yourself and your relationship to these recommenders

Important Dates

- UNM Goldwater Campus Deadline is **Thursday, November 6th at 3:00 p.m. MST**
- Endorsees will be notified by late-November / early December
- **Final** applications are due on **January 30th, 2026**
- Goldwater Scholars announced on the last Friday in March

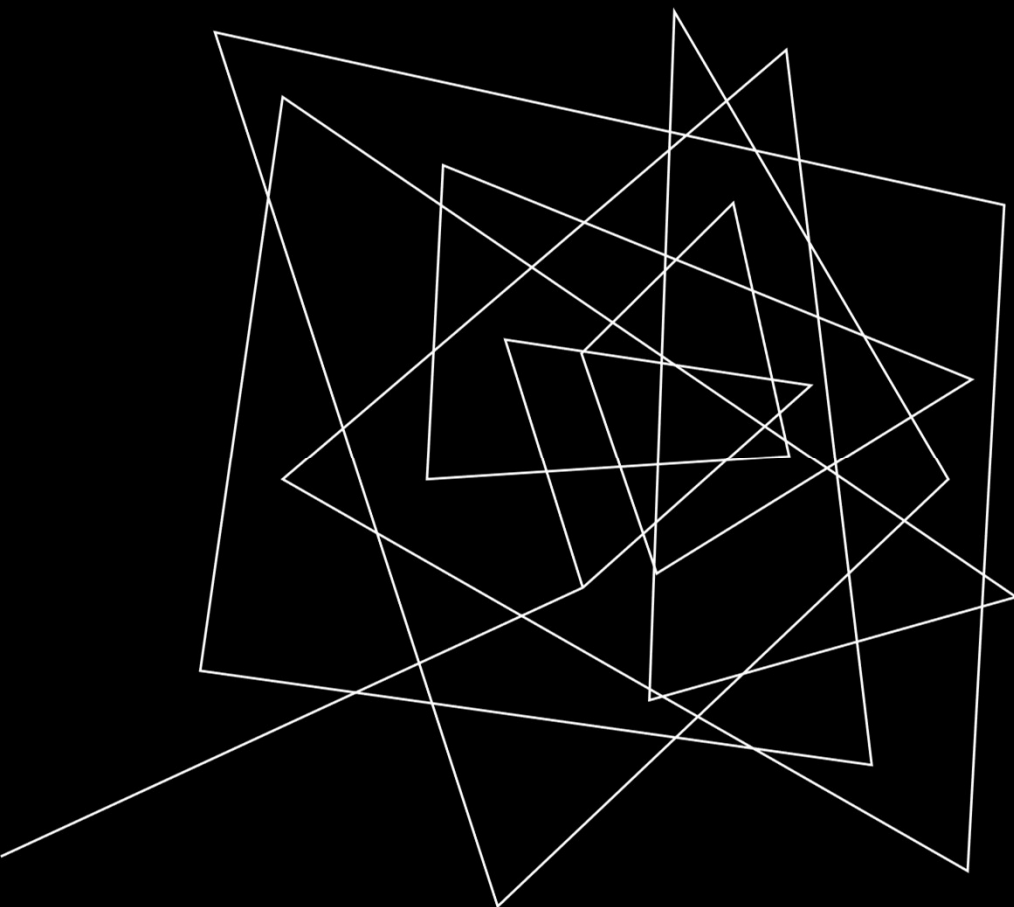
UNM GOLDWATER NOMINATION PROCESS

UNM Goldwater Faculty Committee

- Consists of UNM faculty from across STEM fields
 - Jesse is present to provide context and take notes, but does not vote in the nomination process
- Nominees are evaluated on:
 - Demonstrated **potential** for, and **commitment** to, a **PhD** and later a **career** in STEM
 - Outstanding academic performance
 - Diversity of experience

Nominees

- UNM may nominate up to **4 candidates** each year
 - +1 candidate if there is a qualified transfer student
 - +1 candidate if there is a qualified student veteran



THE ERNEST F. HOLLINGS SCHOLARSHIP

Hollings is designed to increase training in oceanic and atmospheric science, research, technology, and education to increase public understanding and improve environmental literacy



THE ERNEST F. HOLLINGS SCHOLARSHIP

Who Can Apply?

- Students **must** apply in fall of their sophomore year
- Seeks students interested in public service careers with NOAA and other natural resource & science agencies at the federal, state, and local levels
- Also recruits students interested in careers as educators to improve scientific and environmental education in the US

Program Benefits

- Academic assistance up to \$9,500 per year for 2-years of full-time study
- A 10-week, full-time paid (\$700/week) internship at a NOAA facility during the summer after their junior year
- Travel funds to attend mandatory NOAA Scholarship Program orientation and the annual Science & Education Symposium
- Travel funding for two professional conferences to present research



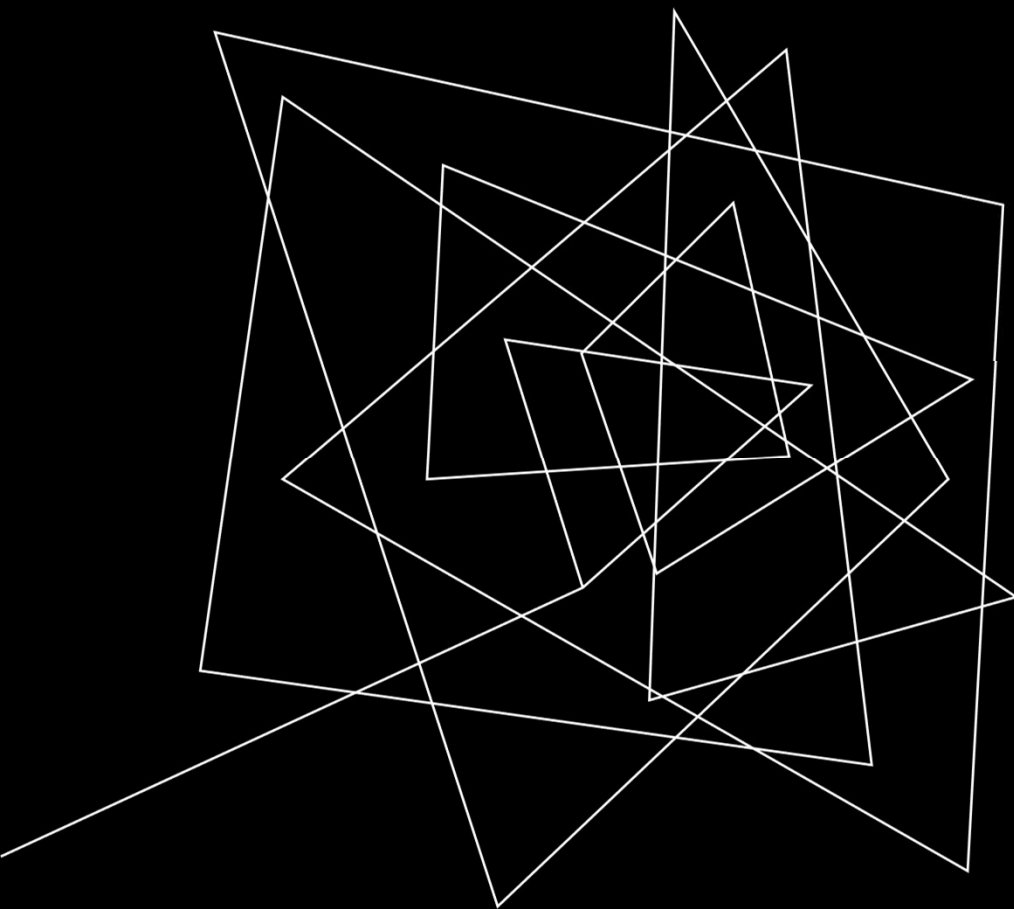
THE ERNEST F. HOLLINGS SCHOLARSHIP

Application Components

- Essay exploring your background, research interests / experience, and future aspirations
- Official college transcript
- Two letters of recommendation (at least 1 should come from university faculty)
- **Application due in January 2026**

Quick Facts

1. Apps open **Oct. 1st, 2025**
2. Over 120 scholars annually
3. 75% of alumni attend graduate school
4. Over 2,300 alumni from over 450 colleges
5. 100% of alumni surveyed would recommend program



NSF RESEARCH EXPERIENCES FOR UNDERGRADUATES

NSF REUs support intensive, summer research projects at universities across the U.S. for students in any area of research funded by NSF

NSF RESEARCH EXPERIENCES FOR UNDERGRADUATES

Program Benefits

- Minimum of 10-weeks over the summer to expand your technical skills, knowledge of your field, and build your academic network
- Scholarships typically cover housing, travel, and provide students with a living stipend for the duration of the program
- No limit to the number of REUs you can apply to (but only one can be accepted)

REU Eligibility

- US Citizenship / permanent residents / US nationals
- Enrolled in a part- or full-time undergraduate degree program
- Each REU site is subject to additional requirements

Search REU Sites

Use this page to explore existing U.S. National Science Foundation Research Experiences for Undergraduates (NSF REU) Sites. You can search by research area, location and keyword.

The directory provides the website and contact information for each REU Site. Once you have found an REU Site that interests you, you must consult each REU Site directly for information and application instructions.

If you are the director of an REU Site and your Site's entry in this directory needs to be updated, please contact the NSF program officer who oversees your REU Site award or the [REU Site program contact](#) for the NSF unit that manages your award.

Q Search

Filter by

Location ▼

Research Area ▼

Sort by


Institution (A to Z) ▼

647 results [Export results as .csv](#)

REU Site: Research & Training in Multidisciplinary field of Regenerative Sciences for Undergraduates [↗](#)

Alabama State University
Biological Sciences
Montgomery, AL

Topics: Biology, biosciences, biomedical engineering, chemistry, physics
→ [Abstract of award](#)

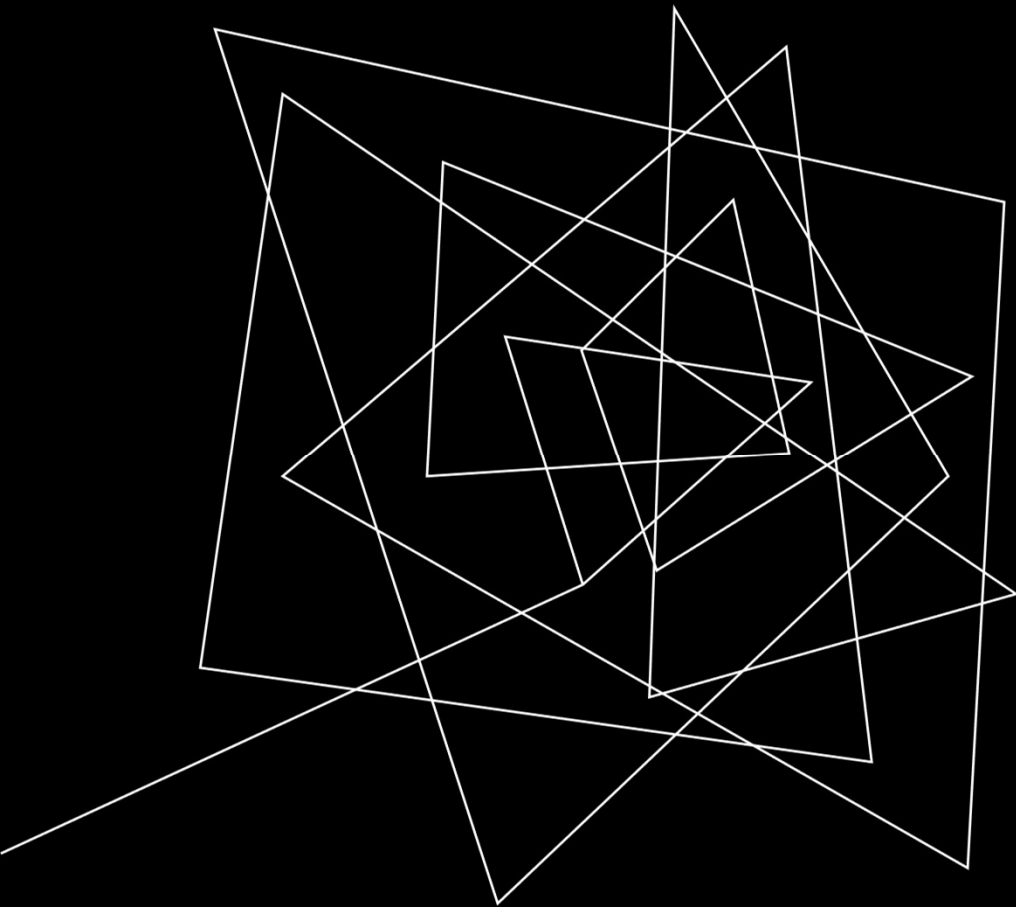
 Komal Vig,
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TIPS FOR APPLYING TO NSF REUS

1. Keep an organized list of every REU you're interested in!
2. Create a "notes" column to identify quirks / differences between REU site
3. Don't be afraid to contact PIs with questions – they may not always respond, but some are eager to speak with you!
4. Create your own hierarchy, and start with the award(s) due first
5. Know when you've reached your point of diminishing returns

University	Project	Contact / PI	Due Date
BYU	Physics @ BYU	Dr. Provo	Jan. 30
FSU	Mammoths in N. Florida	Dr. Nole	Jan. 30
LSU	Lions, Tigers, and Bears	Dr. Breaux	Feb. 14
UNM	Red or Green Chile	Dr. Lobo	Feb. 28
SDSU	Chemistry @ SDSU	Dr. Carmen	Mar. 15



OTHER STEM
FELLOWSHIPS TO
CONSIDER ...

MORE STEM OPPORTUNITIES

Amgen Scholars Program

- Funded summer research programs at 14 universities across the US, including Yale, Stanford, Harvard, and more! **Due: February 1st, 2026**

Benjamin A. Gilman International Scholarship – Supplemental STEM Award

- Up to \$6,000 to apply towards research program abroad – chat with [UNM GEO](#), [Arcadia Abroad](#), and speak with your professors! **Due: Early October / Early March**

DAAD RISE

- Fully-funded research opportunities at labs across German (German language proficiency NOT require) – **Due: Early December**



QUESTIONS?

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