The Barry Goldwater Scholarship and Excellence in Education Program was established by Congress in 1986 to honor Senator Barry M. Goldwater, who served his country for 56 years as a soldier and statesman, including 30 years of service in the U.S. Senate.

The purpose of the Foundation is to provide a continuing source of highly qualified scientists, mathematicians, and engineers by awarding scholarships to college students who intend to pursue careers in these fields.
Eligibility

- Be a full-time junior or sophomore
  - Junior - Graduating between May and December 2020
  - Sophomore - Graduating May 2021
- Have a highly competitive GPA
- Major in STEM fields
- Be a US citizen or a permanent resident
- Obtain institutional nomination (4 nominees)
Criteria

- Research experience
- Other extracurricular activities
- Intend to pursue a doctoral (Ph.D.) degree
- Strong commitment to a career in math, the natural sciences, and engineering
- Potential for a significant future contribution in your chosen field
Awards

Scholarship Award - Up to $7,500 for tuition, fees, books, and room/board

Honorable Mention
UNM Preliminary Application

Submit UNM preliminary online application

BY 11:59 pm, 10/31/2018

NISF.unm.edu

11/21: Four UNM nominees announced
UNM Application

Online Application Form

- 3-page essay (research proposal)
- UNM unofficial transcript
- A note from your research mentor
  - Describe your research involvement
  - Support during the application process
The strongest Research Essays students submit are based on a prior or current research experience.

A Research Essay should include a description of the issue or problem, a discussion of the research methodology, and a discussion of the student’s findings.

It is very important that the essay details a student’s specific contributions to the project and indicates the specific skills/expertise the student developed as a result of participation in the project.
Essay

To demonstrate that you “think like a scientist,” you might **describe future work** your data suggests or work that still needs to be done to complete the current project.

Include appropriate bibliographic information and references

Use 12 point or larger Arial font. Margins should be 1 inch on all sides.

Work with your faculty mentor to ensure your essay is scientifically accurate
UNM Nominees

- November 21: UNM Nominees announced
- December 15: First Draft Due
- January 20, 2019:
  - Submit non-UNM transcript to Kiyoko
  - Letter of Recommendation deadline
- January 25, 5:00 pm CT: Application Due
- March 29: Scholars announced on their website
UNM Nominees

Online Application

- Career Goals/Professional Aspirations
- Motivation for a research career
- Personal Information
- Research Activities
- Other Activities
- Awards, Honors, and Scholarships
- Recommender’s information
- 3-page essay (research proposal)
Supporting Documents

- College Transcript(s)
- Three recommenders
  - 2 faculty members: your potential for a career in math, science, or engineering
  - Another individual who can attest to your potential
How Competitive

2018 Statistics

- Out of 1,280 applicants 211 scholarships awarded
- 110 men/99 women
- 29 Math /142 Natural Sciences Science /40 Engineering
- All intend to obtain a Ph.D. as their degree objective
UNM Recipients

- 2018: 1 scholar in Physics
  1 scholar in Biochemistry
- 2017: 2 scholars in Biochemistry
  1 honorable mention in Chemical Engineering
- 2016: 1 scholar in Chemical Engineering
  1 honorable mention in Biochemistry
- 2015: 1 scholar in Physics
Future Scholarships

Rhodes Scholarship (March)*
Marshall Scholarship (March) *
Mitchell Scholarship (March) *
Gates Cambridge Scholarship (September)
Fulbright Scholarship (early September) *
Churchill Scholarship (September) *
DOE Graduate Fellowship (January)
Hertz Foundation (November)
NSF Graduate Research Fellowship (November)
SMART Scholarship (December)
UNM Research Programs

- Alliance for Minority Participation - epswww.unm.edu/lsamp-home/
- Biomedical Research Education Programs - hsc.unm.edu/research/brep/
- El Puente Fellows Program - elcentro.unm.edu
- MARC Program - MARC.unm.edu
- McNair Program - McNair.unm.edu
UNM Resources

- Research Match - research-match.unm.edu
- Research Internships - caeld.unm.edu/internships/index.html
- STEM Collaborative Center - stem.unm.edu