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 2022
  - Sophomore - Graduating May 2023
- Have a highly competitive GPA
- Major in STEM fields
- Be a US citizen or a permanent resident
- Obtain institutional nomination (5 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

Award about 400 Scholarships (396 awardees from 5,000 in 2019)
Submit UNM preliminary online application
BY 11:59 pm, 10/31/2020
NISF.unm.edu
11/21: 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
Research Essay

- Research Essay should include
  - Research Question
  - Methodology
  - Analysis & Results
  - How you were involved in the work
  - What specific contributions you made to the work
  - Future directions for the work or a new research initiative
Research Essay

- Provide a “broader picture” that explains the importance of your research and your motivation for doing the work in the opening paragraph.

- It is important that your essay clearly describes:
  - your contribution or expected contribution to the work,
  - the skills you brought to the work from prior research or course experiences, and
  - the skills you have or expect to obtain from participation in the project.
Research Essay

- 3-page max
  - Single-spaced,
  - 12-point Arial font,
  - 1-inch margins on all sides
  - Include bibliographic information, graphs, and/or tables

- Work with your faculty mentor to ensure your essay is scientifically accurate

- [https://goldwater.scholarsapply.org/developing-the-research-essay/](https://goldwater.scholarsapply.org/developing-the-research-essay/)
Goldwater UNM Nominees

- November 21: UNM Nominees announced
- December 15: First Draft Due
- January 22, 2021:
  - Submit non-UNM transcript to Kiyoko
  - Letter of Recommendation deadline
- January 29 4:00 pm: Application Due
- March 26 10:00 am: Scholars announced
Goldwater UNM Nominees

Online Application

- Career Goals/Professional Aspirations
- Personal Information
- Research Activities
- Other Activities
- Awards, Honors, and Scholarships
- Recommender’s information
- 3-page essay (research essay)
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

2020 Statistics

- Out of about 5,000 applicants 396 scholarships awarded
- 191 men/203 women
- 50 Math & CS /287 Natural Sciences Science /59 Engineering
- All intend to obtain a Ph.D. as their degree objective
UNM Recipients

- 2019: 1 scholar in Physics
- 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 10)*
Marshall Scholarship (March 10) *
Mitchell Scholarship (March 10) *
Gates Cambridge Scholarship (September)
Fulbright Scholarship (September 6) *
Churchill Scholarship (Goldwater Recipients) *
DOE Graduate Fellowship (January)
Hertz Fellowship (November)
NSF Graduate Research Fellowship (November)
SMART Scholarship (December)