

2021/22 GOLDWATER SCHOLARSHIP CAMPUS APPLICATION INSTRUCTIONS

(PLEASE READ CAREFULLY)

The purpose of the Barry M. Goldwater 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.

Applicants **must** be nominated by UC Berkeley's Goldwater Scholarships Committee to be considered by the Goldwater Foundation. UC Berkeley may nominate four sophomores or juniors. **The noon, December 10, 2021** deadline allows the campus committee (3-4 faculty) to carefully review applications and select nominees before the Goldwater Foundation's January 28, 2021 nomination deadline.

START EARLY; CAREFULLY READ the "Steps in the Nomination Process" on "STUDENTS-START APPLICATION" section on the Goldwater website (<https://goldwater.scholarsapply.org/steps-in-process/>). Alicia Hayes provides individual advising to help students prepare competitive applications.

To apply for a University nomination, you must submit the following:

- ❖ Schedule an advising appoint with Alicia Hayes by sending a request to ourscholarships@berkeley.edu.
- ❖ Complete the official Goldwater On-line pre-application at <https://scholarsapply.org/barrygoldwater/> prior to your meeting with Mrs. Hayes.

Once you are granted access to the full application please do the following:

- ❖ Complete the Online Goldwater Application
- ❖ Research Essay—The Research Essay should include 1) description of the issue or problem, 2) discussion of the research methodology, and 3) discussion of the student's findings. It is very important that the essay details the student's specific contributions to the project and indicate the specific skills/expertise the student developed as a result of participation in the project. To demonstrate that the applicant "thinks like a scientist," the essay might, as an example, describe future work the experimental data suggests or describe an entirely new work that is based on the skills and insights the student learned from the experience. Research Essays should be single-spaced and use 12-point Arial font, with 1-inch margins on all sides. Page length, including bibliographic information, must not exceed 3 pages. The essay must include your name and the name of your academic institution in the header at the top of each page. Format your Research Essay in either one or two columns on a page. As appropriate, utilize graphs, tables, and figures in the essay to explain or clarify results. Figures, table captions and bibliographic citations may use 10-point Arial font. Research essays that use mathematical expressions may use LaTeX or other document preparation software to enable proper formatting. Save your Research Essay as a PDF file. Although the upload site accepts JPG and PNG file formats, PDF files are preferred.
- ❖ Three letters of recommendation from faculty. Those who have served as mentors for you on a research project are among your most important references. After your research mentors, letters from faculty who know you well from your science, math or engineering classes are also among your strongest letters. At least two of your letters should come from individuals who can discuss your potential for a research career in the natural sciences, mathematics or engineering and one may simply discuss your overall potential. Cosigned letters and letters written by graduate student instructors or **not** recommended. Recommenders must submit letters at the following link <https://form.jotform.com/200417100512131> by the December 10, 2021 campus deadline.
- ❖ Transcripts from all colleges attended. Official or unofficial copy of transcripts from **all colleges and universities you have attended**. If you are a transfer student, order official copies from your other school(s). Transcripts need to be submitted via email to Alicia Hayes by the campus deadline.