

Undergraduate Research Grant Program 2021–2022 Granting period

STUDENT SUBMISSION APPLICATION FORM

SUBMISSION DEADLINE: no later than 4 p.m. Friday, April 16, 2021.

Award decisions will be made no later than Friday, April 30, 2021.
Applicants and Faculty mentors will be notified via email.

IMPORTANT INSTRUCTIONS:

The application is to be submitted in two parts (see details below).

- **PART A IS TO BE SUBMITTED BY THE STUDENT AS A SINGLE PDF FILE**
 - This Application Form completed
 - A general description of the proposed research and budget in table format on form provided, and
 - Unofficial Transcript
- **PART B IS TO BE SUBMITTED BY THE FACULTY MENTOR AS A SINGLE PDF FILE**
 - The faculty member to provide a more detailed description as well as a broader impact statement in **Part B**.
- **Submit PDF files to Kathy Ferguson (kathy.ferguson@tcu.edu).**

COVER PAGE INFORMATION

(complete ALL sections, marking NA where applicable, submit this Application Form with narrative and budget)

Name of student(s)	
Student(s) email	
Academic major(s)	
Expected date(s) of graduation (mm/yyyy)	
Current overall GPA(s)	
Current math/science GPA(s)	
Faculty research mentor(s)	
Faculty research mentor(s) email	
Total funds requested (round to nearest dollar)	
Concise Title of research project	
Previous Undergraduate SERC Awards (list year and describe how this request differs OR provide justification for additional funding)	

SERC Undergraduate Research Grant Program
Spring 2021 Application Round

This application covers research for the 2021–2022 academic year

STUDENT APPLICATION**Application Deadline: 4:00 pm, Friday April 16, 2021****GENERAL INFORMATION**

The Science & Engineering Research Center (SERC) will be awarding research grants for the 2021 – 2022 academic year to undergraduate students engaged in research with faculty in the TCU College of Science & Engineering. Proposals from all academic departments in the College are welcome and encouraged.

The Fellowships

- Each fellowship will range from \$500 to \$1,500 depending on the indicated need of the research project.

Student Eligibility Requirements

- Student must have junior or senior standing with an anticipated graduation in May 2022, or later (exceptions can be made to include well qualified sophomore students upon the recommendation of the Faculty mentor). Student must have a minimum GPA of 2.5 in Mathematics and Science courses at TCU.
- If the student applicant had a previous project funded by a SERC grant, they must have presented the results of that project at a College of Science & Engineering Student Research Symposium (SRS).

Expectations

The grant period begins on June 1, 2021 and expires April 30, 2022.

- **Note: Purchase Order requests accepted up to April 1, 2022; Invoices and reimbursement requests accepted only to April 30, 2022.**
- Grant recipients are required to present a poster describing their research at the College of Science & Engineering SRS, during, or in the year immediately following, the grant period.
- Grant recipients are required to **submit a one-page summary** (a brief description of the project and the main results) no later than May 7, 2022 (end of Spring 2022 semester). The summary should include a layman's introduction and be emailed to kathy.ferguson@tcu.edu.

Evaluation Criteria

Proposals will be reviewed by members of the SERC steering committee. The proposal is evaluated based on the following criteria:

Project Criteria:

- Clarity of the project description
- Appropriateness of the approach and/or method
- Broad impact statement
- Details of budget request
- Likelihood of a successful outcome

Student Criteria:

- Overall academic performance (as indicated by coursework and GPA)
- Recommendation letter from the faculty mentor
- Success of possible previous SERC grant (preference may be given to new SERC applicants)

Faculty Mentor Criteria:

- Mentoring plan

APPLICATION MATERIALS

To be completed and submitted by Student (or one of the students of a team)

1. Describe your proposed research project or creative activity. The description should include an introduction targeting a **lay audience**. (Limit your narrative to 250 words or less). **Also see below for information on the need to tie the narrative to your budget request.**
2. Describe the need and level of support that you are requesting. **Be specific in providing information about what you need support for, e.g. number of items, cost per item. Your request should be tied to your narrative in that it should be clear to the SERC committee how items requested in the budget would be used in your project.**

Provide an accurately calculated total for your requested budget. Note: Being able to present an accurate budget is deemed to be important by the evaluation committee. Please provide as much detail as possible. Avoid rounding off or asking for unspecified "supplies". Present your budget in spreadsheet / table format.

(Examples of items that the grant **can** support: specific research materials and supplies; travel related to performing the research. Examples of items that the grant **cannot** support: travel to present research; stipends; computers (unless the computer resource is unique and not available at TCU).

3. Submit an unofficial transcript of your academic record.

Student: Create a single PDF of all documents to include this completed document: Application Form and 1 – 3 above and email to: kathy.ferguson@tcu.edu. (If you have trouble incorporating your unofficial transcript in the single PDF document, you may forward it separately.)

Note: Only the materials requested on this application form will be forwarded to the review committee.

Student Narrative: Description of your proposed research or creativity project (LIMIT 250 Words)

Student Narrative: Description of need and level of support (LIMIT 250 words) and Budget (In TABLE format)

Attach Unofficial Transcript OR include as separate document (PDF Format ONLY)