

2024 Interdisciplinary Undergraduate Research and Creative Projects Summer Fellowship Program

Bradley University

Boundary-breaking Innovation is a strategic imperative at Bradley University. The Interdisciplinary Undergraduate Research and Creative Projects Summer Fellowship Program provides opportunities for recipients to pursue a significant project during the summer months by drawing on different perspectives and making connections across boundaries. The program is supported by the Division for Strategy and Innovation.

Recipients will gain an appreciation of diverse ideas and perspectives, gain communication and problem-solving skills, and learn to work collaboratively. Those competencies of 21st century learning equip students for the complex and multifaceted opportunities and challenges found in today's world.

Proposals generally seek support for completing or getting a jumpstart on a senior thesis, a capstone project, or a significant, time-intensive project that includes faculty mentorship. Proposals are welcome from any department and any major at Bradley University. The proposed project must have an interdisciplinary nature.

Eligibility: Applicants must be a degree-seeking full-time undergraduate at Bradley University with at least junior status (60+ credit hours) by the conclusion of the Spring 2024 semester. Students with senior status (90+ credit hours) are eligible if they are enrolled as a full-time degree-seeking undergraduate at Bradley University during the Fall 2024 semester.

What types of projects are funded? The proposed project must be interdisciplinary in nature. An interdisciplinary project:

integrates information, data, techniques, tools, perspectives, concepts, and/or theories from two or more disciplines or bodies of specialized knowledge. Source: National Science Foundation

Given the interdisciplinary nature of the project, at least **one** of the following criteria should be met:

- a. Faculty co-mentors are from different departments.
- b. The project fulfills requirements for an interdisciplinary major or minor at Bradley University.
- c. The proposal is co-authored by two students who do not share the same major.
- d. If neither a, b, or c are met, then a brief statement that clarifies the interdisciplinary nature of the project should be included in a cover letter that accompanies the proposal.

Only **one** criterion needs to be satisfied.

Award: Single student awardees receive **\$4,500**. If two students from different majors submit a proposal together as a team, each student awardee receives **\$3,000**. The total amount awarded to two students (**\$6,000**) is higher than for one student (**\$4,500**) to encourage interdisciplinary collaboration.

Awards are paid through student payroll and follow the Bradley student payroll schedule.

Single faculty mentors receive **\$1,500** as an expression of gratitude for summer mentorship. Faculty co-mentors will both receive **\$1,000**. The total amount awarded to two faculty mentors collaborating (**\$2,000**) is higher than for a single mentor (**\$1,500**) to encourage interdisciplinary collaboration, while acknowledging a division of work. Proposals may specify a different distribution of the \$2,000 award between two faculty members if an unequal level of involvement is anticipated.

Commitments: For single-authored proposals (i.e., one student), the awardee is expected to work at least 30 hours a week for at least 9 weeks during the timeframe of May 15 - Aug. 14 for a minimum of 270 hours.

Co-awardees (i.e., two students who are co-authors on the proposal) are each expected to work 15 hours per week for 9 weeks (135 hours total per student) within the 13-week window specified above.

At the conclusion of the summer (August 14, 2024) the Fellow(s) will submit a **Project Summary** that describes the outcomes of the summer work. The summary will be a five-page, double-spaced report that reflects thoughtfully on the summer experience and clearly details what was accomplished during the summer period of work. A template for the project summary will be made available. The summary will be submitted electronically to jastubbs@fsmail.bradley.edu. The faculty mentor(s) should also receive the project summary.

The Fellow(s) is (are) expected to submit the final work for presentation at the Bradley University Student Expo held in Spring 2025. If the Fellow(s) is (are) graduating in December 2024, the final work must be submitted prior to graduation.

The student agrees to have his or her name, photograph, and project information appear on Bradley University websites and printed materials.

Faculty Mentor(s): The faculty mentor(s) commits to meet with the student routinely during the summer to discuss the project's progress. If necessary, these meetings may occur virtually. At least one mentor must be a full-time faculty member at Bradley University.

The mentor(s) will review and approve (a) the project summary at the conclusion of the summer period and (b) the final written work submitted for presentation.

Application Process: Interdisciplinary Undergraduate Research and Creative Projects Summer Fellowship Program

Completed applications include a proposal and a faculty letter of support both of which must be submitted electronically to jastubbs@fsmail.bradley.edu **no later than Monday, April 8, 2024 at 5:00 p.m.**

A. Proposal Format

The proposal should be written by the student(s) with feedback from the faculty mentor(s). The proposal should be written for a non-specialist. In no more than five double-spaced pages (not including references), the proposal should provide:

1. **Student and faculty information** (name, department, email address) and the nature of the project (e.g., senior thesis, honors capstone or thesis, capstone to complete major requirements, independent studies, etc.).
2. **General project summary**. In 200 words or less, describe your proposal for a general audience by stating the problem or creative opportunity that your project addresses and the plan of action to accomplish project goals.
3. **Project description**: A clear description of the proposed project should be written for a non-specialist. The description should include:
 - a. **Project goal**: The question or problem that motivates the project.
 - b. **Rationale**: How does your project fit into questions and opportunities raised by previous work? (cite sources of prior work by the applicant and/or others when relevant)
 - c. **Plan**: Explain the method, procedure, techniques, and/or activities by which you will attempt to attain the project's goal. *Address the interdisciplinary nature of the approach undertaken.*
 - d. **Expected results**: A summary of anticipated outcomes (e.g., quantitative, qualitative, creative product, etc.) resulting from the summer work. Figures, graphs, and other depictions do not count against the five-page limit of this section.

If the project requires Institutional Review Board (IRB) or Institutional Animal Care and Use Committee (IACUC) approval, note in this section if your project has such approval or when such approval is expected.

- e. **References**: Works cited in your proposal.

B. Proposed timeline: The timeline should include (a) start- and end- dates during the summer, (b) specific project milestones expected at specified points during the summer and (c) if applicable, milestones in the semester(s) after the summer that will lead to final completion of the project.

Reviewers will consider whether the student(s) can realistically devote significant effort during the summer months and achieve the project goals in a timely manner. If the student(s) is (are) involved in activities or coursework that pose competing time demands, a statement explaining how the proposed timeline will be met is required.

Restrictions

If a summer project requires IRB or IACUC approval, it cannot be funded until that approval is obtained. It is the responsibility of the student(s) and faculty mentor(s) to inform osp@bradley.edu if required approval has not been obtained by the time of the award period. Documentation of approval should be sent to osp@bradley.edu.

A student cannot be simultaneously funded during the summer period by this fellowship and more than one other active internal OSP award to faculty (such as SEA, FSA, or Seed).

Unused funds from this fellowship are not available for work that is completed after the summer session ends.

C. Faculty Letter of Support

The faculty mentor(s) will submit a single letter (jointly authored by co-mentors if applicable) to be sent to student and combined in the application that includes:

- a. A description of the student's (or students') academic qualifications and experiences that show exceptional promise for successful completion of the project within the proposed timeline. Please describe, if applicable, any previous or ongoing collaborative work with the student(s).
- b. An indication of the proposed project's soundness. Please indicate what makes the project exceptional and worth funding.
- c. A description of your anticipated involvement during the summer and, if applicable, during the subsequent months that lead to its completion.
- d. A description detailing the interdisciplinary nature of the project. An interdisciplinary project: *integrates information, data, techniques, tools, perspectives, concepts, and/or theories from two or more disciplines or bodies of specialized knowledge* (Source: National Science Foundation).

D. Award Decisions

Applications are evaluated by the Interdisciplinary Studies Advisory Committee. The committee consists of one faculty member from each of the five academic colleges, one faculty member from the Library, and one faculty member from the Turner School of Entrepreneurship and Innovation. The committee will make and communicate final decisions by the end of April 2024. The committee's evaluation rubric follows below.

Evaluation Rubric for Proposals

	Superior	Excellent	Very Good	Good	Adequate
PROPOSAL	5	4	3	2	1
Project goal and rationale are clearly stated					
Project plan is clearly aligned with project goal/rationale					
Anticipated outcomes distinctly follow from project plan					
Clarity of expression for a non-specialist audience					
TIMELINE					
Milestones are stated in sufficient detail					
Realistic fit between plan and timeline					
FACULTY MENTOR(S) WRITTEN SUPPORT					
Student's (or students') previous work demonstrates exceptional promise					
Quality of the project					
Explanation of faculty involvement to provide sufficient guidance and promote independent work					
INTERDISCIPLINARY					
Interdisciplinary approach of proposed work is clear in proposal and faculty letter					

TOTAL SCORE _____