



2022-2023 ANNOUNCEMENT OF OPPORTUNITY spacegrant.carthage.edu

Research Infrastructure Program (RIP)

Applications Open: October 28, 2022
Application Deadline: December 12, 2022
Award Announcements: February 24, 2023

Awards*:

Multi-institutional Awards: up to \$15,000**

Major Awards: up to \$10,000

Minor Award: up to \$5,000

**Based on availability of funds.*

***Projects demonstrating collaboration between two- and four-year campuses or multiple four-year campuses will be eligible for the multi-institutional award.*

Purpose: The Wisconsin Space Grant Consortium (WSGC) Research Infrastructure Program is designed to provide support to faculty and research staff from the [WSGC universities and colleges](#) seeking to initiate a new or continue a current research program, as well as from the [WSGC industrial affiliates](#) to establish a space-related research program. The awards provide faculty and research staff support for a variety of activities related to developing space science, aerospace, and space-related research infrastructure.

Programs should do two or more of the following:

- Emphasize new lines of space-related research.
- Increase research capability.
- Build research infrastructure.
- Establish research collaborations.
- Initiate research opportunities in line with the NASA Mission Directorates (*For more information on NASA Directorates, see spacegrant.carthage.edu/about/mission/directorates*).
- Enhance research collaborations, mentorships, and other opportunities with NASA Centers.
- Establish collaborations among faculty from liberal arts colleges with faculty from research-intensive doctoral universities, Wisconsin aerospace industries, and NASA Centers.
- Implement research activities linking academic and industrial affiliates, including workshops, seminars, internships, data transfer, and technology transfer.

Successful proposals will combine a robust, relevant research project with a plan that fully integrates students into meaningful, high-caliber, significant research experiences from 10 weeks to a full or academic year, culminating in a presentation. Awards will be based on the proposal topic, quality, credentials of the investigator(s), the probability of success in developing space-related research infrastructure, and specific plans on how this seed funding will help to build this research program.

To Apply:

- Register on the WSGC website (<https://spacegrant.carthage.edu/forms/account/login>) Returning applicants will be prompted to update registration information annually.
- [Sign in](#) and submit the [Grant Application Form](#) (*applicants may apply to multiple funding programs*) and supporting documents.

Application Requirements:

- Faculty and research staff at all [WSGC universities and colleges and staff at WSGC industrial affiliates](#) are eligible.
- Students funded through this grant must be U.S. Citizens.
- Affiliate member institutions must have [affiliate award agreement documents on file](#) with the WSGC Program Office.
- Research initiatives must align with at least one of NASA's Mission Directorates: [Aeronautics Research](#), [Exploration Systems Development Mission Directorate](#), [Space Operations Mission Directorate](#), [Science](#), and/or [Space Technology](#).
- Research initiatives must focus on NASA-related activities including: earth and atmospheric sciences, astronautics, aeronautics, space sciences, and any other space-related fields (*e.g. agriculture, business, law, medicine, nursing, social and behavioral sciences, space architecture, and space biology*).
- The Consortium especially encourages applications from women, minorities and persons with disabilities.
- Minimum 1:1 match

[Current and Past Award Winners](#)

Supporting Material Required with Application: Submit a proposal addressing each of the six elements listed below. Be sure to clearly identify each element within the proposal. Applicants will be asked to upload the proposal at the bottom of the application. It should not exceed 15 pages, including figures.

- 1. Introduction/Summary:** Summarize the project in one page or less. Important issues to address here and in the body of the proposal are why the topic is of interest to NASA and how this project will build infrastructure or lead to the development of a larger proposal effort to NASA or another government agency. Detail how this project aligns with the goals of one or more [NASA Directorates or Centers](#). Please be specific ([Aeronautics Research](#), [Human Exploration and Operations Mission Directorate](#), [Science](#), [Science Technology](#), [Other](#)). **Because the WSGC is required to demonstrate the alignment of each of our projects with NASA Directorate or Center goals, proposals that do not demonstrate such alignment will not be funded.** Provide references of related work. Be aware that not all of the WSGC review panel members are likely to be experts in this area, so make sure to provide fundamental information on the project topic.
- 2. Background:** Summarize current and previous research on the topic. Provide references of related work. Be aware that not all of the WSGC review panel members are likely to be experts in this area, so make sure to provide fundamental information on the project topic. If the applicant has received previous funding from the WSGC Research Infrastructure Program, the proposal must demonstrate that the past research project has met the goals and objectives of the Research Infrastructure Program. The applicant should provide specific information on how the research led to larger proposal submission(s), broader collaborations, etc. As this is a seed grant program, priority for funding will be given to those projects that can demonstrate strongest growth in Wisconsin's aerospace infrastructure. Also include the previous support from the WSGC Research Infrastructure Program (title, date, amount).
- 3. Proposed Activities:** Describe the research objectives, methods and expected outcomes. Indicate types of presentations and/or papers which will be a by-product of this project. Be sure to provide fundamental information on the research.
- 4. Timeline:** Provide dates indicating the project start and finish date, as well as any important milestone dates. Applicants will be required to submit an Interim Report and a Final Report. Periods of performance may not extend beyond March 31, 2024.

5. **Budget:** Provide a budget summary using the [Grant Budget Proposal and Invoice Reporting Template Form](#) for the proposal that describes in detail the use of funds for the proposed project including labor (people, hours, rates and total), travel (location, transportation costs, hotel costs, meal costs), participant support costs, materials and supplies, and any other costs (with equivalent detail). Indirect charges are limited to matching funds.

All funds should be expended prior to March 31, 2024.

- * A minimum 1:1 project match is required. Add more match columns if there is more than one source of matching funds. Indicate the source of each match.
- ** The Research Infrastructure Program will normally provide funding for labor, including collaborators and students (students must be U.S. citizens).
- *** WSGC financially supports travel to and from the Wisconsin Space Conference only if expenses are included in this budget proposal. Domestic travel will be considered if it is fundamentally important to the project. Out of country travel cannot be funded. Travel details should include purpose, location and duration. Provide separate line items for air, ground, lodging, and meal expenses.
- **** WSGC will not [fund](#) overhead. Any institutional overhead must be applied as matching funds. Given budget limitations, we will likely not support any amount for equipment or rental of facilities. We highly recommend alternative means to purchase equipment or materials needed for the project and apply them as matching funds.

6. **CV/Personnel*:** Please include an updated two page CV. **Note: This grant only allows one Principal Investigator to be listed on the application.* Include brief qualifications for any personnel included in projects. WSGC requires a list of all students receiving funds through this grant to be submitted as outlined in the Award Agreement Letter. Students register on the WSGC application website under [Program Applications/Professional Student Programs](#).

Award Acceptance Requirements: As part of the award acceptance, awardees will be asked to attend the Annual Wisconsin Space Conference as outlined in the award agreement and submit the following documents on the WSGC application website under [Manage Applications/Current Grant Cycle Applications](#).

- Award Agreement Letter
- Institution W9
- Media Release Form
- One-Paragraph Biography
- PI Professional Photo
- Quarterly Invoices/Cost-Share Report with Supporting Documentation
- Office of Education Survey must be completed by December 15, 2023
- Interim Report (if period of performance is greater than 6 months)
- Summary/Final Report (due 30 days after the project end date)
- Present project at the Annual Wisconsin Space Conference
- 2-3 project photos featuring faculty/students/program participants
- Alumni Story

Please direct questions about the [Research Infrastructure Program](#) to:

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All awards are fully competitive awards of opportunity in which applications are reviewed by the WSGC Technical Advisory Panel and other experts as needed. Awards are made by the Assistant Director based on recommendations from the Associate Director.

Please follow us on     for program updates

