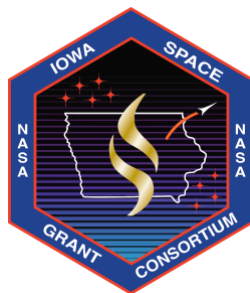


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Faculty Seed Grant– Request for Proposals

Release: May 1, 2025 – Deadline: **June 13, 2025**

Overview:

The NASA [Iowa Space Grant Consortium \(ISGC\)](http://www.iaspacegrant.org) is requesting proposals for the Faculty Seed Grant (FSG) program which will provide support to faculty to develop research and engineering projects that align with NASA Mission Directorate research priorities. The ISGC plans to award one project with a two-year period of performance; \$40,000 awarded annually, contingent upon review and completion of deliverables set in this RFP. A total of up to \$80,000 will be awarded over the lifetime of the award. The research must be aligned with one of the six [NASA Mission Directorates](#) (MDs) which includes: Aeronautics Research ([ARMD](#)), Exploration Systems Development ([ESDMD](#)), Science ([SMD](#)), Space Operations ([SOMD](#)), and Space Technology ([STMD](#)). Proposed projects must align with the MD scientific pursuits and NASA's mission/strategies at ISGC [Core Institutions](#) (CIs) campuses. Submission is limited to the four ISGC CIs, Drake University, Iowa State University, University of Iowa, and University of Northern Iowa.

The ISGC works to coordinate and improve Iowa's future in NASA related Science, Technology, Engineering and Math (STEM); and to stimulate research education and outreach activities throughout the state that contribute to NASA's mission. The Consortium outcomes shaped this call and were described in the response to the NASA National Space Grant CAN for 2025-2028 derived from the ISGC affiliate program review, NASA's 2022 strategic plan, and Iowa's STEM priorities. The following areas will be addressed by these new Faculty Seed Grants (FSG):

- Promote and support student experiences through internships, fellowships, and scholarships.
- Engage applied research at higher education institutes to assist in solving NASA Mission Directorate challenges.
- Attract students to the STEM workforce through learning opportunities that spark interest and provide connections to NASA's mission and work.
- Educate and engage precollege STEM students and educators to prepare the next generation of explorers.
- Elevate the impact of the ISGC across Iowa.

The goal for each Faculty Seed Grant is to support the growth of the selected program's NASA-related research portfolio and to become self-sustaining in order to graduate from ISGC funding sources. Managers of FSGs are encouraged to leverage base support for their projects with additional resources from ISGC activities (i.e. fellowships, scholarships, internships, curriculum development, research infrastructure, preservice education, and public service programs); through

the Consortium's extensive network at national and state levels with NASA ([linked here](#)), industry, research laboratories, and state, local, and federal agencies.

To be considered for selection, a program must be conducting innovative research directly aligned with the NASA MDs. Engaging undergraduate students with the project is encouraged and will strengthen the proposal. Priority will be given to proposals which collaborate with other affiliates and include workforce development elements. Projects will be selected through a competitive process that will use the selection criteria put forth in this RFP. All awards are dependent upon NASA funding availability. To better understand NASA and the ongoing work and priorities within the Mission Directorates, please visit: https://www.nasa.gov/about/org_index.html.

Eligibility: Competition is open to faculty from Drake, ISU, UI, and UNI. All direct funded (supported) participants (faculty and students) must be U.S. citizens. Those who are involved in the administration of this activity, but are not directly compensated, need not be U.S. citizens. Submission is limited to one proposal per investigator.

Request: Eligible investigators may submit proposals with a period of performance beginning July 1, 2025, through June 21, 2027. To see if their ideas fall within the scope of this opportunity, prospective applicants are encouraged to open discussion with the ISGC administrative team:

- Director, Sara Nelson, sdnelson@iastate.edu
- Assistant Director, Matthew Nelson, mnelson@iastate.edu
- Program Specialist II, Hailey Waller, hewaller@iastate.edu

Proposal Content:

- Title Page: project title, Principal Investigator name, and contact information.
- Project Description (five-page maximum, 12 pt. font):
 - a. Background
 - b. Goals of the project
 - c. Description of how the proposed activity will support the selected mission directorates and build a new collaboration with NASA.
- Budget and budget narrative (two-page maximum)
 - a. Budget and justification that explains, in itemized detail, the ISGC amount requested and non-federal match contributions from the proposing institution (see g. below)
 - b. Cost-share can be cash and/or in-kind contributions of faculty or staff release time.
 - c. Charging indirect on NASA funds is not allowable (see the ISGC budget template for list of unallowable expenses).
 - d. Waived indirect from NASA funds and cost share may be counted towards meeting the total match required.
 - e. Awards of \$40,000 require match of 1:1 per award (i.e., \$40,000).
 - f. Equipment purchases, facility construction or renovation, and foreign travel are not permitted (the definition of equipment is >\$5,000 per item).
 - g. The ISGC excel budget template is required, and is available online at: <https://www.iaspacegrant.org/funding/faculty/> or
- Curriculum vitae of Principal Investigator (two-page maximum).

- Matching funds commitment letter from the authorized fiscal agent of the institution.

Criteria: An effective proposal is one that: shows how the proposed research will advance the NASA work being done in the selected MD. Proposals should include descriptions of how the project will build new collaborations with one or more NASA centers that align with documented NASA and State of Iowa needs and priorities, involves other ISGC affiliates (where appropriate), provides adequate matching funds, has a high potential for the research continuing when ISGC funding ends and will produce papers, presentations, other publications, talks, posters, and/or patents/licenses.

| Criteria | Topics | % |
|----------------------------------|--|-------------|
| Scientific and Educational Merit | Scientific, technical, and educational merit of the proposed project. Proposal is relevant to the STEM goals of NASA ISGC, Iowa and/or proposing institution. Builds new collaborations with one or more NASA centers that align with documented NASA and State of Iowa needs and priorities, involves other Space Grant affiliates (where appropriate). Has a plan to attract and engage students with a focus on STEM workforce development. | 30% |
| NASA Relevance | The degree to which this proposal is relevant to NASA MDs. | 25% |
| Management | Competency of the proposers to carry out the plan and achieve the stated goals. Potential of the project to increase undergraduate retention and achievement Includes students in research project. Demonstrates likelihood of sustaining. | 15% |
| Evaluation | Based on evaluation metrics below in Reporting. | 10% |
| Budget | Adequacy and appropriateness of the budget to carry out the project, including institutional contributions or other non-federal matching funds. | 20% |
| | Total | 100% |

Reporting: Required reports include an annual progress reports due in **February** of each year and a **final report required 30 days after the project closes or no later than July 21, 2027**. Future funding is contingent upon all reporting requirements being met annually. Failure to meet this deliverable may result in delayed funds or termination of funds. The final report will include an evaluation of the project's effectiveness relative to the proposed objectives and other standard ISGC and NASA reporting requirements. Awardees will submit the progress and final reports through the ISGC portal for [faculty reporting](https://www.iaspacegrant.org/faculty-forms-and-reports/) on our website at: <https://www.iaspacegrant.org/faculty-forms-and-reports/>. All awards are dependent upon NASA funding availability. Evaluation metrics will include:

1. number of students involved in hands-on research,
2. demonstrated scholarship as measured by papers, presentations, other publications, talks, posters and/or patents/licenses produced,
3. NASA collaborations established or strengthened,
4. additional funding acquired.

Proposal Submission Procedure: Proposals in Microsoft Word format are to be submitted to the ISGC office via this link: [Faculty Seed Grant Submission](#) by **June 13, 2025**. The budget should be submitted in Excel format using the ISGC template, illustrated below and available for download at: <https://www.iaspacegrant.org/files/2025/05/budget-template PY35-FSG.xlsx>. (Two sheets are provided: the budget template, and justification.)

| ISGC Budget template for proposal submission | | |
|--|--------------------|--------------------------|
| University <i>(insert affiliate name)</i> P.I. <i>(insert name here)</i> | NASA | MATCH |
| ISGC Program Name: <i>Faculty Seed Grant</i> <i>Insert project/activity name here</i> | ISGC Funds Request | Non-Federal (Cost Share) |
| Salary+Fringe (Faculty) | \$0 | \$0 |
| Salary+Fringe (Graduate Students) | \$0 | \$0 |
| Wages+Fringe (Undergraduates) | \$0 | \$0 |
| Supplies and Services | \$0 | \$0 |
| Travel (Domestic) | \$0 | \$0 |
| Tuition | \$0 | \$0 |
| TOTAL DIRECT COSTS | \$0 | \$0 |
| Modified Total Direct Costs (MTDC) | \$0 | \$0 |
| (NOTE: MTDC = Total Direct Costs - Tuition) | | |
| INDIRECT COSTS (for ISGC office use only - do not edit cells) | | \$0 |
| NASA Indirect (insert rate, ref. below) 53.0% | | \$0 |
| Match Indirect (insert rate, ref. below) 53.0% | | \$0 |
| TOTAL BUDGET | \$0 | \$0 |

Notes:

Use appropriate university/college government approved indirect rate as shown below.
Drake = 36.7%, ISU = 53%, UI = 55.5%, UNI = 35.4%

Match requirement is 1:1

Change/add expense type as appropriate, add rows as needed.

Check all calculations for accuracy when adding rows.

Include budget justification below, or as a separate word document.

That which is not allowable from the NASA funding is also not allowable as Match and/or Cost Share.

Unallowable expenses include:

- ☐ Indirect charges (waived indirect costs may be counted towards match)
- ☐ Equipment (defined as >\$5,000 per item)
- ☐ Foreign travel
- ☐ Facility renovations
- ☐ Promotional materials (i.e. t-shirts, swag, etc.)
- ☐ Non-U.S. citizen reimbursements (i.e. travel, salary, wages)
- ☐ Non-U. S. citizens may participate, but cannot receive direct support.