

The NASA Space Grant Scholarship and Fellowship Program comprises individuals from engineering, science, and education who work together for the advancement of aerospace science and engineering. Students interested in applying to the program must pursue a degree in a NASA-related discipline.

NASA Idaho Space Grant Fellowship Program Application



Students pursuing a master's or doctoral degree at one of the Idaho Space Grant Consortium (ISGC) member universities may be eligible to apply for the ISGC Graduate Fellowship. Other requirements include:

- U.S. Citizenship
- Registered full-time in a graduate level program
- Study in a NASA-focused research area
- A current GPA of 3.5 or higher

All awards are up to **\$15,000** per academic year, renewable annually upon the completion of program requirements. Awards are granted for a maximum of three academic years.

Goals

- ★ To identify, recruit, and retain students in math, science, engineering and science / math education disciplines.
- ★ To encourage women and underrepresented students to enter NASA related fields of study.
- ★ To increase awareness of NASA activities in Idaho.

Students attending the following institutions may be eligible to apply:

College of Idaho ★ Boise State University ★ Brigham Young University – Idaho
College of Southern Idaho ★ Idaho State University ★ Lewis-Clark State College
North Idaho College ★ Northwest Nazarene University ★ University of Idaho

APPLICATION DEADLINE IS MARCH 20, 2009 (5pm PT)

ISGC RESEARCH FELLOWSHIP

The NASA ISGC Research Fellowship is available to full-time graduate students in science, math, engineering or related discipline. Proposed research **MUST DIRECTLY ALIGN** with at least one of NASA's strategic goals in order to be eligible for consideration.

IDAHO RLEP FELLOWSHIP

The NASA Idaho Space Grant **R**obotic **L**unar **E**xploration **P**rogram Fellowship is available to graduate students in electrical, computer engineering, mechanical engineering, and closely-related fields. Students selected will work together to facilitate the Idaho RLEP program across the state.

Graduate students selected must commit to serving a 10-week internship at the NASA Ames Research Center in the summer of 2009, and to work with the current Idaho RLEP fellow to complete the following tasks to facilitate the Idaho RLEP program:

- Act as the primary program, schedule, and technical contact between the University of Idaho and RLEP engineers and researchers at NASA Ames;
- Advise, mentor and coordinate activities of all participating Idaho RLEP teams (possibly including teams at Boise State University, Idaho State University, and elsewhere);
- Serve as a liaison between NASA Ames and the university/college teams;
- Oversee all program logistics, which include, but are not limited to: establishing project goals, technical specifications, milestones and schedules; arranging teleconferences, videoconferences, and meetings; and keeping ISGC management informed of program progress on a regular basis;
- Develop a test plan and schedule for hardware testing in Idaho and field testing at NASA Ames as appropriate.

IDAHO RISE FELLOWSHIP

The NASA Idaho Space Grant **R**esearch **I**nvolving **S**tudent **E**ngineers and **E**ducators Fellowship is available to a graduate student in engineering, physics, chemistry, life sciences, and closely-related fields. The RISE Fellow will work with teams of students to facilitate the Idaho RISE program across the state.

For each institution, the Idaho RISE Fellow will:

- Act as Institution Project Manager for Idaho RISE;
- Interact with all of the Institution Idaho RISE teams to set goals for Idaho RISE flights;
- Oversee all program logistics including, but not limited to: establishing project goals, technical specifications, milestones and schedules; arranging meetings, and keeping ISGC management informed of program progress on a regular basis;
- Oversee and track expenses for the Institutional RISE program;
- Play a significant role in the planning, organization, scheduling, and convening of the annual statewide Idaho RISE symposium;
- Be the primary institution point of contact with other RISE programs at universities and high schools throughout the State.

In addition to the above responsibilities, the University of Idaho RISE Fellow will:

- Serve as the primary instructor for the "Near Space Engineering" class;
- Work with institutional RISE Fellows to coordinate the RISE program statewide.

PROPOSAL / ESSAY GUIDELINES

ISGC RESEARCH FELLOWSHIP

Submit a research proposal of no more than 8 pages (excluding the title page and bibliography, with no less than 12pt font and 1" margins) that includes:

- (1) Title Page – title, contact information (name, address, phone, e-mail), major professor information (name, address, phone, e-mail), date
- (2) Abstract – 1/2 page summary of proposal
- (3) Description of your master / doctoral research focus – intro, goals, method(s), expected outcomes
- (4) Research Timeline
- (5) NASA Statement – how your research aligns to NASA's 2006 Strategic Plan goals (*reference www.nasa.gov/pdf/142302main_2006_NASA_Strategic_Plan.pdf*), and one or more NASA Mission Directorates, which include Science (<http://nasascience.nasa.gov/>), Aeronautics (www.aeronautics.nasa.gov/), Exploration Systems (<http://www.nasa.gov/exploration/home/index.html>), and Space Operations (<http://spaceoperations.nasa.gov/>)
- (6) Publication Plan – a minimum of one publication must be submitted or ready for submission when your NASA ISGC fellowship is complete
- (7) Bibliography – also include the NASA documents used in your proposal

IDAHO RLEP FELLOWSHIP

Submit a response essay addressing the following five items. Format your essay such that you list each item and then respond to that item, in the same order as presented below. Your response essay should be in 12pt font, no less than single-spaced, have 1 inch margins, and must be no longer than **5** pages in length.

- (1) **Qualifications** Using the tasks on page 2 of this application, describe how you are qualified to complete each task, and the approach / plan you would use to complete each task. (2 pages)
- (2) **Communication Skills** Describe your communication skills, and how these skills will benefit the Idaho RLEP program. (½ page)
- (3) **Leadership and Organization** Describe your leadership and organizational skills and experience, and how these will benefit the Idaho RLEP program. (½ page)
- (4) **Technical Experience** Describe your technical experience and relevant background in robotics and/or other areas of engineering, and how this will benefit the Idaho RLEP program. (1 page)
- (5) **Academic Career Goals** Describe how you would use this opportunity to advance your academic career goals, including the completion of your thesis / dissertation. (1 page)

IDAHO RISE FELLOWSHIP

Submit a response essay addressing the following five items. Format your essay such that you list each item and then respond to that item, in the same order as presented below. Your response essay should be in 12pt font, no less than single-spaced, have 1 inch margins, and must be no longer than **5** pages in length.

- (1) **Qualifications** Using the tasks on page 2 of this application, describe how you are qualified to complete each task, and the approach / plan you would use to complete each task. (2 pages)
- (2) **Communication Skills** Describe your communication skills, and how these skills will benefit the Idaho RISE program. (½ page)
- (3) **Leadership and Organization** Describe your leadership and organizational skills and experience, and how these will benefit the Idaho RISE program. (½ page)
- (4) **Technical Experience** Describe your technical experience and relevant background in aeronautics and/or other areas of engineering, and how this will benefit the Idaho RISE program. (1 page)
- (5) **Academic Career Goals** Describe how you would use this opportunity to advance your academic career goals, including the completion of your thesis / dissertation. (1 page)

APPLICATION PACKET CHECKLIST

- Personal Application
- Proposal / Essay
- Resume – include school/community activities, honors, awards, and research interests
- Major Professor Recommendation Form – this form is available for download at: <http://isgc.uidaho.edu> (under “Fellowships” on the “Higher Education” menu)
- A minimum of two letters of support – in addition to the major professor recommendation form (*seals can be broken in order to make copies*)
- GRE and/or other applicable test scores
- Proposed Major Professor (*name, affiliation, research programs*)- list on cover page
- Official College Transcripts – *undergraduate transcripts not necessary if student has completed at least one year of graduate work.*
**Sealed official transcript required for original packet, unofficial transcripts can be used for 6 additional application packets*

Application Submission and Contact Information

Please submit all materials in the following order, **stapled** in the upper left hand corner:

- Completed application
- Essay / proposal
- Resume
- Letters of support (remove from envelopes)
- Transcripts - *Sealed official transcript required for original packet, unofficial transcripts can be used for 6 additional application packets*
- GRE scores (if available) – acceptable on transcripts

Submit 7 complete packets (one original / 6 copies) to:

NASA Idaho Space Grant Consortium
University of Idaho
PO Box 441011
Moscow, ID 83844-1011

Deadline: Application MUST be RECEIVED by March 20, 2009 (5pm PT)

NASA Idaho Space Grant Consortium Fellowship Program Application

I am applying for a:

Research RLEP RISE

PERSONAL INFORMATION

LAST NAME	FIRST NAME	M.I.	SOCIAL SECURITY NO.

CURRENT ADDRESS	CITY	STATE/ZIP
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PERMANENT ADDRESS	CITY	STATE/ZIP
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CURRENT PHONE	PERMANENT PHONE	E-MAIL

U.S. CITIZEN: YES NO

Demographics (optional):

<input type="checkbox"/> Male	<input type="checkbox"/> Female	Disability? <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> African American	<input type="checkbox"/> Asian	<input type="checkbox"/> Caucasian <input type="checkbox"/> Hispanic
<input type="checkbox"/> Native American	<input type="checkbox"/> Pacific Islander	<input type="checkbox"/> Other _____

EDUCATION

School You Plan To Attend (<i>must be in Idaho</i>)	Indicate Primary Discipline (<i>Major</i>)

Current School	Current Status	Degree/Diploma	GPA	Major/Minor

Past Schools Attended	Dates Attended	Degree/Diploma	GPA	Major/Minor