Indiana Space Grant Consortium
Industry Internship Program Guidelines

Background
NASA initiated the National Space Grant College and Fellowship Program in 1989. The Space Grant national network includes over 850 affiliates from universities, colleges, industry, museums, science centers, and state and local agencies. These affiliates belong to consortia in all 50 states, the District of Columbia and the Commonwealth of Puerto Rico. These institutions are working to expand opportunities for Americans to learn about and participate in NASA's aeronautics and space projects by supporting and enhancing science and engineering education, research and public outreach efforts. The 52 consortia fund scholarships and fellowships for students pursuing careers in science, mathematics, engineering and technology (STEM), as well as curriculum enhancement and faculty development. Member colleges and universities also administer pre-college and public service education projects in their states.

The Indiana Space Grant Consortium (INSGC) was created in 1991 under the Space Grant Program. Following on the Space Grant goals, the INSGC motto is “Inspire, Engage, Educate, and Employ”. Our awards programs are designed to implement that motto and the INSGC Vision: “The INSGC will be the premier source of coordination, information, and inspiration for NASA-related education, outreach, and workforce development needs of the State of Indiana”. Focus areas, goals, and objectives for NASA’s Office of STEM Engagement are shown in Appendix A.

INSGC Industry Internship Program Application Process
Eligibility Requirements:
- A US citizen
- Enrolled full time as student in good standing at an INSGC affiliate institution during period of award
- Be involved in STEM-related research or STEM education project
- INSGC will attempt to locate an appropriate internship through our network. Selections will be ultimately controlled by the industry partner.

Available Awards
There will be a variety of compensation rates and travel awards. Offered funding will depend on the industry partner and associated travel costs.

Renewal
Students may receive an internship for consecutive years, but must reapply and be awarded separately for each year of support.

Submission Requirements
The application process for INSGC industry internship awards is conducted electronically through the National Space Grant application site.

The online application will include the following sections:
- Student information
• Educational information, including institution(s) attended, major, degree objective, expected date of graduation
• PDF version of an unofficial transcript
• PDF version of a professional resume (maximum two pages)
• Career Goals: the importance of STEM education and a STEM major in the student’s education plans, including the importance of the INSGC funds in enabling the student to pursue a STEM discipline, and one of the two following questions: 1.) What is the impact of the Space Program on your life?, or 2.) What is the impact of science/mathematics/engineering/technology on your life? In this section, applicants are required to align their interests with one or more research priorities of the Mission Directorates and Centers. The current NASA mission directorates are as follows:
  • Aeronautics Research (http://www.aeronautics.nasa.gov/)
  • Human Exploration Operations (http://www.nasa.gov/directorates/heo/home/index.html)
  • Science (http://science.nasa.gov/)
  • Space Technology (http://www.nasa.gov/directorates/spacetech/home/index.html)
• Honors and Societies: any student honors, awards, or society memberships
• Provide e-mail contact information of two individuals who will be providing letters of support (the application system will automatically contact these individuals including periodic reminders until they have provided the support letter or the deadline has passed). The letters:
  o should discuss why you should be considered for an INSGC award,
  o should indicate the professional relationship the writer has with you, and
  o may come from any non-relative who can endorse your application and is familiar with your strengths.

Longitudinal Tracking
By NASA specification, INSGC maintains longitudinal tracking on awardees. This information will be used to assess the impact of the INSGC program. Information collected for longitudinal tracking includes demographic data, affiliate of attendance, degree awarded, year, INSGC funds received and current activity (e.g. employed by industry, NASA, graduate school). INSGC staff will contact you in the future to provide information about your activity after graduation.

You will also be requested to provide a brief profile for inclusion on the website.

Required reporting for awardees
A one-page progress report will be due in January. A final report will be required at the end of the award period. Additional updates and success stories are appreciated and may be emailed to insgc@purdue.edu. These stories may be passed on to the NASA Office of STEM Engagement.

Contact Information
Please direct all questions to:
Dr. Dawn R. Whitaker
INSGC Associate Director
insgc@purdue.edu
Appendix A – NASA Office of STEM Engagement Goals and Objectives

NASA’s STEM engagement function will play a critical role in achieving the Agency’s Strategic Objective 3.3 by implementing activities within **three focus areas**:

1) Create unique opportunities for students to contribute to NASA’s work in exploration and discovery;

2) Build a diverse future STEM workforce by engaging students in authentic learning experiences with NASA’s people, content and facilities; and

3) Strengthen understanding by enabling powerful connections to NASA’s mission and work.

The **goals and objectives** for NASA STEM Engagement are:

**Goal 1.0: Enabling contributions to NASA’s work**

Objective 1.1: Students contribute to NASA’s endeavors in exploration and discovery.

Objective 1.2: Research and development capacity of educational institutions is enhanced, enabling broad and diverse contributions that directly address NASA priorities.

**Goal 2.0: Building a Diverse, Skilled Future STEM Workforce**

Objective 2.1: A broad and diverse set of students are attracted to STEM through NASA opportunities.

Objective 2.2: Students, including those from underrepresented and underserved communities, explore and pursue STEM pathways through authentic learning experiences and research opportunities with NASA’s people and work.

Objective 2.3: The portfolio of NASA STEM engagement opportunities meets agency workforce requirements and serves the nation’s aerospace and relevant STEM needs.

Objective 2.4: Strategic partnerships with industry, academia, non-profit organizations and educational institutions enhance and extend the impact of NASA’s efforts in STEM engagement.

**Goal 3.0: Strengthen Understanding of STEM through Powerful Connections to NASA**

Objective 3.1: Youth are introduced to STEM concepts and content through readily available NASA STEM engagement resources and content.

Objective 3.2: Students gain exposure to STEM careers through direct and virtual experiences with NASA’s people and work.