

Wisconsin Space Grant Consortium

Programs for 2014

Student Programs

- Undergraduate Scholarship
- Undergraduate Research
- Graduate Fellowship
- Dr. Laurel Salton Clark Memorial Graduate Fellowship
- University Sounding Rocket Team Competition
- Student High-Altitude Balloon Launch
- Student High-Altitude Balloon Payload
- Industry Member Internships
- NASA Academy Leadership Internships
- NASA Centers/JPL Internships
- NASA Reduced Gravity Team Programs
- Relevant Student Travel

(see detailed descriptions on next page)

Research

The Research Infrastructure Program provides Research Seed Grant Awards to faculty and staff from WSGC Member and Affiliate Member colleges and universities to support individuals interested in starting or enhancing space- or aerospace-related research program(s).

Higher Education

The Higher Education Incentives Program is a seed-grant program inviting proposals for innovative, value-added, higher education teaching/training projects related to space science, space engineering, and other space- or aerospace-related disciplines. The Student Satellite Program including Balloon and Rocket programs is also administered under this program.

Industry Program

The WSGC Industry Program is designed to meet the needs of Wisconsin Industry member institutions in multiple ways including:

- 1) the Industry Member Internships (listed under students above),
- 2) the Industry/Academic Research Seed Program designed to provide funding and open an avenue for member academia and industry researchers to work together on a space-related project, and
- 3) the Industrial Education and Training Program designed to provide funding for industry staff members to keep up-to-date in NASA-relevant fields.

Aerospace Outreach Program

The Aerospace Outreach Program provides grant monies to promote outreach programs and projects that disseminate aerospace and space-related information to the general public, and support the development and implementation of aerospace and space-related curricula in Wisconsin classrooms. In addition, this program supports NASA-trained educators in teacher training programs.

Special Initiatives

The Special Initiatives Program is designed to provide planning grants and program supplement grants for ongoing or new programs which have space or aerospace content and are intended to encourage, attract, and retain under-represented groups, especially women, minorities and the developmentally challenged, in careers in space- or aerospace-related fields.

Wisconsin Space Conference

The Wisconsin Space Conference is an annual conference featuring presentations of students, faculty, K-12 educators and others who have received grants from WSGC over the past year. The Conference allows all to share their work with others interested in Space. It also includes keynote addresses, and the announcement of award recipients for the next year.

Regional Consortia

WSGC is a founding member of the Great Midwest Regional Space Grant Consortia. The Consortia consists of eight members, all Space Grants from Midwest and Great Lakes States.

Communications

WSGC web site www.uwgb.edu/wsgc provides information about WSGC, its members and programs, and links to NASA and other sites.

Contact Us

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Wisconsin Space Grant Consortium

Student Programs for 2014

Undergraduate Scholarship Program

Supports outstanding undergraduate students pursuing aerospace, space science, or other space-related studies or research.

Undergraduate Research Awards

Supports qualified students to create and implement a small research study of their own design during the summer or academic year that is directly related to their interests and career objectives in space science, aerospace, or space-related studies.

Graduate Fellowships

Support outstanding graduate students pursuing aerospace, space science, or other interdisciplinary space-related graduate research.

Dr. Laurel Salton Clark Memorial Graduate Fellowship

In honor of Dr. Clark, Columbia Space Shuttle astronaut and resident of Wisconsin, this award supports a graduate student pursuing studies in the fields of environmental or life sciences, whose research has an aerospace component.

University Sounding Rocket Team Competition

Provides an opportunity and funding for student teams to design and fly a rocket that excels at a specific goal that is changed annually.

High School Sounding Rocket Team Competition

For high school students. This program is in its initial stages. It mimics the university competition.

Student High-Altitude Balloon Instrument Development

Students participate in this instrument development program through engineering or science teams. Working models created by the students will be flown on high-altitude balloons.

Student High-Altitude Balloon Payload/Launch Program

The Elijah Project is a high-altitude balloon program in which science and engineering students work in integrated science and engineering teams, to design, construct, launch, recover and analyze data from a high-altitude balloon payload. These balloons travel up to 100,000 ft., considered “the edge of space.” Selected students will join either a launch team or a payload design team.

Industry Member Internships

Supports student internships in space science or engineering for the summer or academic year at WSGC Industry members co-sponsored by WSGC and Industry partners.

NASA ESMD Internships

Supports student internships at NASA centers or WSGC industry members that tie into NASA’s Exploration Systems Mission Directorates.

NASA Academy Leadership Internships

This summer internship program at NASA Centers promotes leadership internships for college juniors, seniors and first-year graduate students and is co-sponsored by participating state Space Grant Consortia.

NASA Centers/JPL Internships

Supports WSGC students for research internships at NASA Centers or JPL.

NASA Reduced Gravity Program

Operated by the NASA Johnson Space Center, this program provides the unique “weightless” environment of space flight for test and training purposes. WSGC student teams submit reduced gravity experiments to NASA and, if selected, get to perform their experiments during a weightless environment flight with the support of WSGC.

Relevant Student Travel

Supports student travel to present their WSGC-funded research.