

GSGC Impact Summary



gasgc.org

gsgc@gatech.edu | 404-894-0521

About GSGC

The Georgia Space Grant Consortium (GSGC) was established in 1989 to develop a statewide network of academic, industry, and non-profit partners dedicated to... **Maximize the number of Georgia students from all backgrounds who are well prepared in science, technology, engineering, and mathematics (STEM) fields and who are motivated to support space and aeronautics programs vital to this nation.**

The GSGC has **20 affiliate** members and **9 partner** organizations serving both metropolitan and rural areas of the state. The GSGC team includes **six Historically Black Colleges and Universities and two women serving institutions.** Georgia ranks 8th in U.S. aerospace industry employment with nearly 200 aerospace companies with operations in Georgia. GSGC

uniquely prepares students in STEM disciplines with its affiliates training and graduating thousands of students annually to meet this critical state need and the needs of NASA.

Summary of Programs

GSGC conducts research, internships, scholarships, fellowships, K-12 student and teacher training programs and public outreach. These program include:

Higher Ed/Workforce Development

- Fellowships, Scholarships
- NASA and Industry Internships
- Student & Faculty Research
- Hands-On Programs (K-12 and College)
- Faculty Research

Teacher Training

- Hands-On Workshops
- College of Education teaming

Public Outreach

- Museum & Planetarium Programs
- Camps and Science Programs
- Media Interaction

Program Impact

Substantial impact achieved in training future engineers, scientists, and STEM educators. The GSGC:

- Annually supports diverse set of 153 undergraduate and graduate students per year in research projects, internships, scholarships and fellowships
- Annually provides STEM education and hands-on activities at schools and science centers to 30,000 Georgia residents
- Annually supports K-12 teacher professional development to over 4,000 educators
- Has funded 113 Ph.D. recipients in STEM fields over GSGC history

Contact Us: gsgc@gatech.edu

Dr. Stephen Ruffin, Director

Ms. Lori Skillings, Program Manager

Ms. Alysia Watson, Program Coordinator

Affiliate Programs

Solar Eclipse Activities:

The Georgia Space Grant Consortium wanted to help support



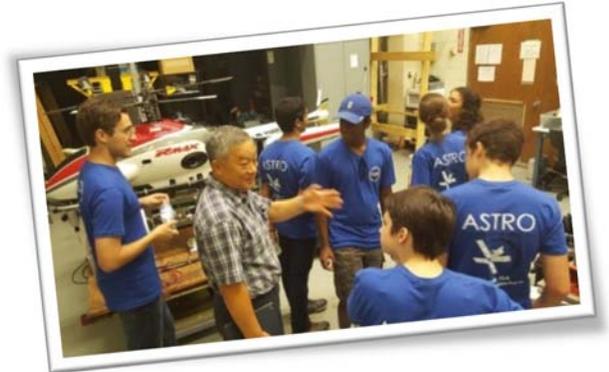
schools around the state to help their students safely enjoy the eclipse, we placed an order for 50,000 glasses and posted an online signup for educators to request free glasses. After a month of quiet, slow signups, our campaign

suddenly went viral, with signups for

By the numbers...

- 250,000 students reached
- 50,000 eclipse glasses
- 8,000 eclipse kits
- 80 glue sticks
- 1,000 feet of tape
- 4 tons of outgoing mail

250,000 students in an 18-hour period. Rather than turn away the overflow, we prepared eclipse informational kits with posters, activity books, and fliers to help the educators have a great eclipse day!



SpaceWorks Enterprises:

ASTRO (Aerospace Summer Training and Research Opportunity at SpaceWorks) summer interns touring the UAV lab at Georgia Tech.



Kennesaw State University:

Kennesaw State University is conducting a program with high school students from the Cobb County Alternative High School. Students in this program were instructed in a GSCG 2018 Programs Highlight series of introductory university-level laboratories covering a variety of scientific topics, including physics, chemistry, genetics, microbiology, ecology, human physiology, and anatomy.

Generation Orbit Launch Services, Inc.:

Generation Orbit (GO) has completed the GO1 Inert Test Article captive carry flight test program. "This public-private partnership between NASA and GO helped to advance a commercial air-launch system for delivering small payloads which will someday benefit the nation's space and hypersonic needs", said Ron Young, program manager for NASA's Flight Opportunities program.

GSGC provided partial funding for numerous interns that worked on this project. The interns were from a variety of universities, including several from Georgia Tech.