



NASA Guam Space Grant

NASA Guam Space Grant (NGSG) is our island's local connection to NASA and the universe beyond. We are a proud affiliate of the University of Hawai'i Space Grant Consortium (HSGC), which participates in the National Space Grant College and Fellowship program and administers the University Research Internship (URI) program.

Overview

NASA Guam Space Grant aims to inspire and train future generations of professionals in areas concerned with the understanding, utilization, exploration, and investigation of both space and earth, which includes our regional island environments, through research and internships. The program is housed within the Micronesia Area Research Center at the University of Guam and supports educational initiatives that focus on science, technology, engineering, and mathematics (STEM) as they support NASA's missions.

Our program offers educational opportunities for University of Guam undergraduates and graduates by awarding Space Grant Internships and Fellowships in fields that are relevant to NASA's goals.



Romina King, Ph.D
NASA Guam Space Grant
Associate Director

roking@triton.uog.edu | (671) 686-0946

Background

In 2019, NASA allocated money specifically to the United States territories as part of their national Space Grant program. The University of Guam was awarded the full amount of \$750,000 (\$150,000/year) via a subaward from HSGC in April 2020. Guam received its subaward from UH Manoa in April 2020 for the amount of 150000 USD from the Hawaii Space Grant Consortium.

Success & Research



- UOG Drone Corps program partners with National Weather Service to map Typhoon Mawar aftermath
- NASA Guam Space Grant Intern, Tristan Palanca, shoots for the stars through NASA Langley internship
- NASA Guam Space Grant Associate Director, Dr. Romina King, contributes to NASA award winning app featuring Guam's reefs
- NASA Guam Space Grant Fellow, Jonelle Sayama, uses drones to study mangroves and reefs
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UOG Drone Corps Program

Alongside our partners at NASA Guam EPSCoR, NASA Guam Space Grant has co-administered the University of Guam Drones Corps - a capacity-building program that aims to build technical capacity for drone services on the island by creating a cadre of Federal Aviation Administration-licensed, informed, and responsible remote pilots. Licensed members participate in flight missions to gain further experience.

32 | **1500+**
 FAA-LICENSED PILOTS | FLIGHT HOURS FLOWN

DRONE MISSIONS FLOWN FOR PARTNERS AT



NGSG Professional Internships

Launched in August 2021, the NASA Guam Space Grant Professional Internship program aims to build technical and workforce capacity for the local

community. The program bridges the gap between the academic and career sectors by pairing students with mentors from an industry or trade.



17 | **5**
 INTERNSHIPS AWARDED | PRIVATE/ACADEMIC PARTNERSHIPS

Most interns came from the Drone Corps program, illustrating the integrated nature of the pipeline that propels students from the program into the workforce.



STEM Outreach & Opportunities

In line with our aim of promoting STEM engagement with the community, NGSg has participated in a series of outreaches that highlight both our programs and the research gathered by students. Since October 2022, NGSg has reached more than 200 participants from various education levels - ranging from elementary school students to college-level

teachers - through our outreaches. These events have taken the form of in-classroom workshops, field visits, and booths.

200+
 PARTICIPANTS REACHED