



# NASA CONNECTICUT SPACE GRANT CONSORTIUM INTERNSHIPS



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**INSPIRING AND EMPOWERING THE NEXT GENERATION OF CONNECTICUT'S EXPLORERS**

## NASA CTSGC PURPOSE

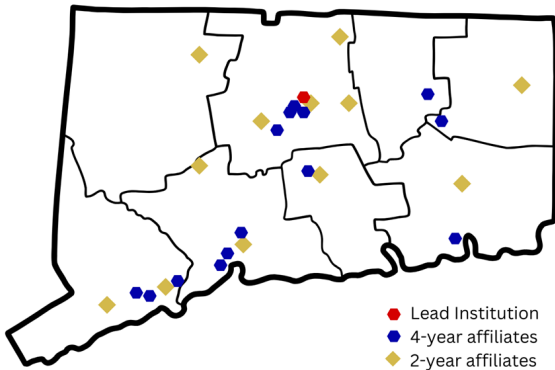
- Inspire the pursuit of careers in science, technology, engineering and mathematics (STEM), especially within groups who have traditionally been underrepresented within the STEM disciplines.
- Contribute to the development of Connecticut's economy and STEM pipeline.
- Provide an environment in which all stakeholders understand and contribute to the Consortium's mission.

## NASA CTSGC MISSION

The mission of the NASA CTSGC is to further the efforts started through NASA's Education Strategic Framework, specifically, NASA CTSGC has three major goals:

- To establish and promote NASA-related research opportunities that draw on the collaborative strength of private, academic, and government sectors.
- To support education initiatives that will inspire students to pursue careers in science, technology, engineering, and mathematics (STEM).
- To promote workforce development that recognizes the current and future needs of the Connecticut economy.

## CT Space Grant Consortium Academic Affiliates



## ACADEMIC AFFILIATES

- University of Hartford (Lead Institution)
- 27 academic affiliates statewide
  - ⇒ 15 four-year colleges and universities
  - ⇒ 12 two-year community colleges



## INTERN EXPERIENCES

Students were supported for summer internship programs at NASA centers or various industry and informal

### Timothy Aman

University of Connecticut  
Summer 2024 Intern at NASA  
Langley Research Center, VA



Timothy worked on a project to study solar sails—a prospective technology that could propel spacecraft on deep-space missions using only the sun as a source of thrust. "This internship allowed me to get hands-on experience working for one of the premier science and technology organizations in the entire world." Timothy looks forward to bringing his internship learning back to the UConn campus in a variety of ways.

### Samuel Weinstein

University of Hartford  
Summer 2023 Intern at  
Synovel Laboratory



Samuel worked alongside several experienced chemists in the at lab. "College chemistry teaches a student how to memorize information, neglecting real-world application. In organic chemistry lecture I was limited to what I could do with the information. Interning with Synovel Laboratory gave me the chance to fully apply the knowledge, making it resonate with me and deepening my understanding of organic synthesis."

### Olivia Kuselias

Fairfield University  
Summer 2024 Intern at  
CT Invention Convention



Olivia worked to provide hands-on experiences supporting student education. "This experience allowed me to dive deep into a field I am passionate about, working on projects that inspire and empower young innovators. It enriched my understanding of STEM education and highlighted the importance of diversity and inclusion, profoundly influencing my career aspirations and personal growth."

## IS YOUR COMPANY READY FOR A NASA CTSGC INTERN?

NASA CTSGC is identifying full-time internship opportunities for student applicants. Student interns are required to work full-time for 8-10 weeks at their internship site; virtual internships will be considered. Internships may be in any area related to STEM, such as engineering, R&D, manufacturing, quality, career training/workshops, etc.

Students must be a full-time student at an affiliated academic institution at time of application with a minimum GPA of 3.0. NASA CTSGC funds are only available to US Citizens.

### THE NASA CTSGC INTERN

The NASA CTSG Internship program has been designed to attract high-quality projects and applicants. Our model follows the model and structure of the highly competitive and successful NASA Center Internships – specifically, industry/project sponsors identify projects, and CTSGC will then advertise for summer interns for those specified projects. By having projects identified ahead of time, more students, especially community college students, will be likely to apply for the opportunity.



### AWARD TYPES

Industrial Internship – Undergraduate/Graduate students enrolled at affiliated institutions are eligible to apply.

Education Internship – Undergraduate/Graduate students enrolled at affiliated institutions are eligible to apply.

Technical Internship – Priority given to Community College students enrolled in an Associate's degree at an affiliated institution are eligible to apply. If space is available internships may be offered to 4-year institution or graduate students<sup>2</sup>.

Internships will be dispensed dependent upon the funding available, the applicant pool and industry's ability to accommodate the internships.



### WHAT YOU PROVIDE:

- Meaningful, full-time internship opportunity for students – hands-on, high level involvement in projects
- Mentorship and training
- Exposure to careers and professionals
- 1:1 match, may be in-kind

### WHAT CTSGC PROVIDES:

- \$7,000 stipend for student
- Pool of qualified, pre-screen applicants (you interview and select)
- Promotion of project, and company.
- Assistance/coaching on project/internship description.

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