



Summer Internship Programs – Call for Projects

The NASA CTSG Internship program has been restructured to attract more high-quality projects and applicants. The restructure follows the model and structure of the highly competitive NASA Center Internships – specifically, project sponsors will identify projects ahead of time, and 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 apply¹.

Education Internship – Undergraduate/Graduate students enrolled at affiliated institutions are eligible to apply¹.

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 students².

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

Proposed Timeline	
November 20th – January 14th	NASA CTSGC solicits internship projects
January 14th	Deadline for internship sponsors to submit internship site information using the suggested format* to ctspgrant@hartford.edu
January 18th	Open projects posted on NASA CTSGC website
February 15th	Students apply to specific project(s) following the NASA CTSGC ‘Application Checklist’
February 20th	Student applications forwarded to internship sponsors
March 20th	Project sponsors rank applicants, return to NASA CTSG
March 22nd	NASA CTSGC selects funded projects/students, notifies award recipients
April 12th	Internship site provides copy of signed offer letter to NASA CTSGC

* Suggested Format: Project proposals should include the following:

- Company and location
- Project Title/Topic
- Start/End dates (must be a minimum of 8 weeks for a total of ~ 400 hours)
- Brief project description (3 – 5 sentences)
- Desired job requirements

¹ Up to 5 awards available (combined).

² Up to 5 awards available.

Student Eligibility

Undergraduate/Graduate student applicants must be full-time students at one of the Consortium Member Institutions with a minimum GPA of 3.0 or higher. Applicants must provide proof of US Citizenship through the Grant Verification Form. NASA CTSGC funds are only available to US Citizens.

Funds Distribution

Funds will be distributed in three equal payments directly to the partner, as follows: first payment at the beginning of the internship, a second upon receipt of a mid-point report from the supervisor of satisfactory performance, with the final balance paid upon submission of all required post-award documentation. Student interns will be paid in accordance with the sponsoring organizations' practices.

More Information

For more information about the NASA CSTGC please contact Ms. Janet Spatcher at ctspgrant@hartford.edu.

Project Proposal Sample 1:

Project Title: Reverse Engineering- ME

Start/End Dates: (Flexible) Est. 3-12 month project duration; Any time period Jan-Dec 2017

Internship Type: Technical, Industrial

Brief Project/Internship Description: Reverse engineering of parts involves obtaining design information and geometry of an existing physical part. The work will involve using structured light scanning equipment to generate part geometry in a CAD format. The CAD file would be modified to incorporate desired design characteristics.

Required Qualifications: Full-time student during Spring 2017 term enrolled in an academic affiliate college/university in an engineering technology program with a minimum cumulative 3.0 GPA. U.S. citizenship.³ Proficient in SolidWorks CAD Modeling.

Preferred Qualifications: Interest in photography or art.

Desired Number of Interns: 1

Project Proposal Sample 2:

Project Title: Student STEM and Manufacturing Summer Institutes

Start/End Dates: (Flexible) February – August 2017

Internship Type: Industrial, Education

Brief Project/Internship Description: CompanyName seeks Education & Workforce Development student interns to assist in the planning and delivery of comprehensive, experiential STEM and workforce development/career awareness programming for students in grades 4 through 10, with a focus on STEM and/or aerospace-related curricular areas. Interns will be responsible for program coordination, administration and logistics, as well as working directly with students in both formal and informal classroom settings implementing contextual hands-on activities and workshops.

Required Qualifications: Full-time student during Spring 2017 term enrolled in an academic affiliate college/university with a minimum cumulative 3.0 GPA. U.S. citizenship. Pursuing a BS/BA in one of the following content areas: engineering, manufacturing technologies, science, and computer programming; or a STEM-related teaching degree (middle school or high school teacher preparation program).

Preferred Qualifications: Prior experience with CAD/CAM software platforms, 3D printing, and/or robotics a plus. Excellent computer, organizational, and communication skills and an interest in promoting STEM engagement and manufacturing/engineering career awareness.

Desired Number of Interns: up to 4

³ Full-time student status, GPA requirement, and citizenship are requirements for funding by NASA CTSGC