California Space Grant Consortium  
FY 2011 Aerospace Workforce Development Program Announcement  

This fiscal year (August 26, 2011 - August 25, 2012) the California Space Grant Consortium (CaSGC) will provide “seed” support to CaSGC affiliate institutions for a number of aerospace workforce development projects relating to “Human Capital” pipeline issues within NASA and the nation. These include educational, research, and hands-on training that will positively impact the aerospace workforce pipeline. Highest priority is given to the higher education level of the pipeline.

In the past few years the CaSGC affiliate student-mentor efforts (space flight programs, engineering efforts, aeronautics programs, NASA Center and industry intern programs, and educational outreach projects) have had significant impact on training students for aerospace and high technology careers. With CaSGC’s constrained annual budget, it is important to leverage those Space Grant funds by “seeding” projects that:

- Build partnerships that include multiple CaSGC affiliates;
  - Seek partnerships with the California Community College System;
  - Actively pursue the participation of science and engineering students from underrepresented ethnic or gender groups on each participating campus as stated in the CaSGC Diversity Plan (can be found at [http://casgc.ucsd.edu/?page_id=42](http://casgc.ucsd.edu/?page_id=42); password “CMIS52”). Current CaSGC goals for diversity are 56% female awardees and 36% minority awardees;
  - Actively engage Minority Serving Institutions (MSIs) in proposed workforce development projects (current MSI affiliates are the CSU campuses in Los Angeles, Fresno, San Bernardino, Long Beach & Pomona).
- Promote interdisciplinary (science, engineering, and business) teaming;
- Obtain matching resources from industry, state agencies, educational institutions, and community workforce organizations;
- Demonstrate the ties to NASA Centers or Mission Directorates and alignment with NASA Vision and Mission as it relates to the national goal of an increased science, technology, engineering, and math (STEM) talent pool;
- Take responsibility for documenting\(^2\) the quantitative outcomes (demographics of project participants; funds from non-federal sources contributed toward project costs), impacts (how your project has benefited the students involved; any new programs created as a result of this project), and longitudinal tracking of the program (providing contact information for each student awardee so the CaSGC office can contact student for post-graduation career information). Also required are timely responses to CaSGC project summary requests [for CaSGC input into NASA’s OEPM (Office of Education Performance Measurement) System].

---

\(^1\) Minorities in STEM (Science, Technology, Engineering, and Math) refer to Blacks, Hispanics, Native Americans, and Pacific Islanders.

\(^2\) Obtaining funding from CaSGC comes with the responsibility of accepting reporting duties. For every project partially supported by CaSGC funds, progress reports must be submitted in response to CaSGC requests. Any students involved in the project must be documented, and conditions for scholarships given must be clearly stated. By the end of the fiscal year, each funded group must complete a summary report of the entire project.
The CaSGC Director and staff will play an assistance role in helping you form the teaming partnerships with industry, NASA Centers and NASA personnel, MSI affiliates, other state and federal agencies, and the community colleges. We encourage you to call and discuss with us your ideas for these workforce projects so that we can provide information about potential partners.

Note: The proposals are NOT official university proposals that have to be submitted through your Contracts and Grants Offices. The CaSGC Aerospace Workforce Development Program will be handled entirely within the CaSGC organizational structure. However, if your university requires submission through a contracts & grants office or similar entity, please adhere to those requirements. The CaSGC will provide Workforce Development seed funding in the same manner as providing scholarship & fellowship training grants to the affiliates. As with all Space Grant Funds, no indirect costs are allowed and funds may only be given to students/faculty/staff that are U.S. citizens.

This CaSGC Aerospace Workforce Development Program is open to any faculty at current California Space Grant affiliate institutions, however proposal submission must be through the Designated Campus Director. For a list of affiliate institutions, visit the following link: http://casgc.ucsd.edu/?page_id=27.

Proposals must include the following four elements:

1) Summary Information submitted in our Survey Monkey data collection form. This form will collect your proposal abstract and fiscal contact information. The form is available at the following link: https://www.surveymonkey.com/s/CaSGC_Affiliate_Proposals.

2) Cover Page: Includes proposal title, principal investigator name and contact information.

3) Proposal Main Body: Proposals must be brief, five pages or less. The projects seeded by these Space Grant funds must meet the rigorous standards of evaluation and reporting associated with the National Space Grant program.

4) Budget Narrative and Details: Space Grant funds may only account for a part of the total budget of the project and are primarily for funding and managing students. Total budget may include a portion of your salary, paid from non-federal sources. No equipment may be purchased with Space Grant funds. Remaining funds may be sought from other industry, government, or community sources. Interdisciplinary aerospace-related science/engineering projects can only be funded up to $30,000 for multiple affiliate proposals. Each affiliate campus on the multiple affiliate proposals can only receive a maximum of $10,000. In order to maximize the number of students funded on your Workforce Development project, student awards from this grant may be no more than $2,000 per student.

After completing the Survey Monkey data collection form, please email your proposal to:

Michael Wiskerchen  
Director – CaSGC  
mwiskerchen@ucsd.edu

Tehseen Lazzouni  
Coordinator - CaSGC  
tlazzouni@ucsd.edu

Page 2