

California Space Grant Consortium
Aerospace Workforce Development Program
Announcement Date: October 31, 2016
Proposal Due Date: December 2, 2016
Performance Period: January 9, 2017¹ – July 5, 2017²

The California Space Grant Consortium (CaSGC) will provide “seed” support for the 2016-2017 fiscal year to CaSGC affiliate institutions for a number of higher education aerospace workforce development, educational, research, and hands-on projects that will positively impact the aerospace workforce pipeline.

Program Goal: To train students for aerospace and high technology careers to positively impact the aerospace workforce pipeline.

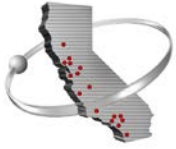
Program Objectives: To creatively leverage limited Space Grant funds by “seeding” projects that:

- Provide hands-on student-mentor Science and Engineering experiences for preparing students for the aerospace workforce;
- Support graduate student research for students conducting research in the subject area of this project;
- Demonstrate 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;
- Encourage cooperative programs among universities, aerospace industry, and federal, state, and local governments;
- Seek partnerships with community colleges, particularly Minority Serving Institutions (MSIs);
- Recruit and train U.S. citizens, especially women, underrepresented minorities³, and persons with disabilities, on each participating campus. Diversity efforts can include reaching out to student and STEM diversity organizations on your campuses to recruit underrepresented students. Those organizations include, but are not limited to:
 - Society of Women Engineers (SWE)
 - National Society of Black Engineers (NSBE)
 - Society of Hispanic Professional Engineers (SHPE)
 - Association for Women in Science (AWIS)
 - American Indian Science and Engineering Society (AISES)
 - Mathematics Engineering Science Achievement (MESA)
 - California Alliance for Minority Participation in Science, Engineering and Mathematics (CAMP);
- Obtain matching resources from industry, state agencies, educational institutions, and community workforce organizations;
- Provide a means for efficient and effective dissemination of results (through websites, social media, newsletters, journal articles, and presentations, for example); and
- Take responsibility for documenting the quantitative outcomes & impacts of your project and providing timely responses to CaSGC performance data requests for our annual NASA report.

¹ Award letters to be released in January 2017.

² Official end date of the three-year NASA Grant funding this program is July 5, 2018: Grant #NNX15AP87H.

³ Underrepresented minorities in STEM include Blacks, Hispanics, Native Americans, and Pacific Islanders.



Project Reporting:

Principal Investigators (PIs) for awarded proposals will be expected to:

- Have each student involved in the project fill out the CaSGC awardee form at:

<https://www.surveymonkey.com/r/2016-17WorkDevSTEMPipeAwardeeForm>

We recommend making this a condition before providing funding to the students. The CaSGC office will work with you to inform you which students from your campus have filled out the form.

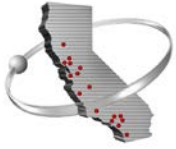
- Fill out the relevant project report form at: http://casgc.ucsd.edu/?page_id=2446 in response to our request for performance data for the NASA Office of Education Performance Measurement (OEPM) System. Not all forms on this webpage will be required. We expect to request this data in late spring 2016.
- Send a financial report at the end of the project showing all expenses made against the award; total expenses should equal the award amount. Can be in the form of a spreadsheet or pdf.

Proposal Submission:

- This opportunity does not require official submission through a university contracts & grants office. 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.
- 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 affiliate Campus Director. For a list of affiliate institutions and affiliate Campus Directors, please visit the following link: http://casgc.ucsd.edu?page_id=27.

Funding Requirements:

- As with all Space Grant Funds, no indirect costs are allowed and funds may only support students/faculty/staff that are U.S. citizens.
- In order to maximize the number of students funded on your Workforce Development project while encouraging graduate student research, student awards from this grant may be no more than \$2,000 per student for undergraduate students and \$4,000 per student for graduate students.
- A detailed budget justification must be included in your proposal to receive funding under this program.
- No equipment, food, or clothing may be purchased with Space Grant funds under this solicitation; remaining funds may be sought from other industry, government, or community sources.
- Funds for this opportunity should be spent by the end date of our NASA grant: 7/5/2017. If the CaSGC no cost extension request is approved by NASA this date may be extended. It would be prudent, however, to aim to complete expenditures by the current grant end date.



Proposal Elements:

- 1) Summary Information submitted in our Survey Monkey data collection form. This form will collect your proposal abstract and fiscal contact information. Please do not neglect to fill it out; proposals submitted without completion of the form may not be evaluated:

https://www.surveymonkey.com/r/2016-17_Affiliate_Proposals

- 2) Cover Page: Include proposal title, principal investigator name and contact information.
- 3) Proposal Main Body—Includes:
 - a) Abstract (as submitted online)
 - b) Background
 - c) Proposal goals
 - d) Ties (if any) to NASA Centers or Mission Directorates
 - e) Implementation plan, including interdisciplinary teaming
 - f) Plans to encourage diversity & inclusion
 - g) Description of matching resources
 - h) Evaluation plan
 - i) Plans for dissemination of results & documenting quantitative outcomes.

This section must be brief, five pages or less. Projects seeded by these CaSGC funds must meet the rigorous standards of evaluation and reporting associated with the National Space Grant program.

- 4) Detailed Budget Breakdown & Justification: 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 PI's salary to show matching funds applied to the project. Projects will only be funded up to \$8,000. Proposals that include a community college partner will be funded up to \$10,000. Budget must delineate funds requested from CaSGC and funds that will be applied as matching. There should be a clear correlation with the Proposal Main Body. Two pages or less for this section.
- 5) A brief summary of the outcomes of your past California Space Grant workforce projects. Please include number of students involved, diversity statistics, partners, publications, outreach, and evidence of this project developing a workforce (i.e. past awardees working in a STEM field or pursuing an advanced degree). Two pages or less for this section.

Proposal Evaluation Criteria:

- Originality
- Project Outcomes, Documentation, and Dissemination of Results
- Ties to NASA (NASA Personnel, Facilities and/or Resources)
- Interdisciplinary Teaming
- Diversity (Individuals or Organizations)
- Matching Resources
- Budget Justification
- Past Project Performance (as described in element number 5 above)

After completing the Survey Monkey form⁴, please submit proposals via email to:

John Kosmatka
Director – CaSGC
jkosmatka@ucsd.edu

Leah Valmidiano
Assistant Director – CaSGC
lvalmidiano@ucsd.edu

1) ⁴ https://www.surveymonkey.com/r/2016-17_Affiliate_Proposals