



North Carolina Space Grant
Box 7515, NC State University
911 Oval Drive, EBIII, Room 4172
Raleigh, North Carolina 27695-7515
(919) 515-4240 • (919) 515-5934 (fax)
www.ncspacegrant.org

NC Space Grant Higher Education Program FY 2017-18 Senior Design Request for Proposals

NC Space Grant is soliciting proposals for projects that integrate NASA Mission Directorate research and/or technology into university senior engineering design courses. Proposals *must clearly define* how the senior design project contributes to current NASA research.

NC Space Grant anticipates supporting 3-5 senior design teams. The award available per student team is \$3,000 (based on availability of funds). Funds can be used to purchase supplies and materials to support student senior engineering design projects.

Proposal Content and Format

All proposals **must** include the following information in the order noted below. Proposals not meeting these requirements may not be considered:

Project Content (not to exceed 5 pages):

- *Detailed* description of senior design project;
- *Detailed* description of how project directly supports and/or contributes to research in one (or more) NASA Mission Directorate; (<http://www.nasa.gov/open/plan/mission-directorates.html>)
- Team composition (including name, email, gender, ethnicity and academic disciplines of each student; if unknown at time of proposal deadline, note how many students will be on team);

Additional Required Content (no page limit unless otherwise noted):

- Curriculum Vitae of the Faculty PI/Advisor (2 pages max);
- Budget and budget narrative with request not to exceed \$3,000. A one to one cost-match is required (use budget template in Appendix A). Note: NASA training grant funds cannot be used to purchase equipment. NC Space Grant does not allow facilities and administrative costs. Unrecovered facilities and administrative costs may be used for required cost-matching;
- Letter of support from the Department Chair/Head which outlines the importance of the proposed senior design project to the department and the direction of the university.

Eligibility

- Proposals will be accepted from faculty at NCSG [Affiliate universities](#).
- **Only one Senior Design proposal will be accepted per PI to allow equitable distribution of funds across the consortium**
- Students must be enrolled in senior design courses, and begin design work during the 2017-18 academic year (starting in either the Fall 2017 or Spring 2018 semester).

Period of Performance

The period of performance for this project is November 30, 2017 to June 30, 2018 (7 months).



North Carolina Space Grant
Box 7515, NC State University
911 Oval Drive, EBIII, Room 4172
Raleigh, North Carolina 27695-7515
(919) 515-4240 • (919) 515-5934 (fax)
www.ncspacegrant.org

Expectations for Students

NC Space Grant Expectations:

- Each student group is expected to keep NC Space Grant informed of their progress (this can include copies of written reports, and/or invitations to sit in on review meetings).
- A final report on the project is required at the conclusion of the project (electronic).
- NC Space Grant would like to receive pictures of your group members working on your project for use in reporting to NASA, newsletters, and other publicity.
- NC Space Grant is required by NASA to keep in touch with all awardees of significant programs at least until they receive their first job after receiving their highest degree. If you receive support through this program, expect to keep in touch with NC Space Grant for some time after the completion of your project (minimum info we'll need is an updated e-mail address so we can contact you if required).

Proposal Submission

- Proposals must be submitted as one PDF file.
- Proposals should be one-sided, single-spaced on standard 8 ½ x 11 paper, no smaller than 12 point font and with no less than one inch margins throughout. Text restrictions are inclusive of all illustrations, tables, charts, exhibits, etc.
- All pages must be numbered sequentially.
- Proposals must be submitted by the faculty advisor (PI) to jobi_cook@ncsu.edu by **October 20, 2017**. Submissions must include university's authorized signature.

Award announcements will be made by November 1, 2017. Projects selected for funding will receive a subaward through the PI institution's Office of Sponsored Projects.

For questions related to this solicitation, please contact Jobi Cook at (919) 515-5933 or jobi_cook@ncsu.edu.



North Carolina Space Grant
 Box 7515, NC State University
 911 Oval Drive, EBIII, Room 4172
 Raleigh, North Carolina 27695-7515
 (919) 515-4240 • (919) 515-5934 (fax)
 www.ncspacegrant.org

Appendix A: Budget Template

Period of performance: November 30, 2017 to June 30, 2018

Maximum budget request: \$3,000

1:1 cost match required

Enter University Here			
Enter PI and Team Leader Names Here			
	NASA Funding	Cost Share	Total
Salaries	X		
Travel	X		
Supplies and materials			
Services	X		
Equipment	X		
Student Salaries/Stipend	X		
Other (Explain)	X		
Indirect Costs**	X		
	NASA Funding	Cost Share	Total
TOTAL:	\$0	\$0	\$0

*Funds are limited to supplies and materials only.

**NC State University/NASA National Space Grant College and Fellowship Program does not allow facilities and administrative costs. Unrecovered facilities and administrative costs may be used to meet the required cost-match.

BUDGET NARRATIVE: