



North Carolina Space Grant
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NASA Exploration Systems Mission Directorate (ESMD) Senior Design Project Grants

NC Space Grant is soliciting proposals from its member institutions for projects that integrate ESMD-provided mission challenges into university senior engineering design courses.

NASA has identified Spacecraft, Propulsion, Lunar and Planetary Surface Systems and Ground Operations as critical areas to the future of space exploration. As a result, funded proposals must be related to one of these areas. Examples of ESMD-related design project have been identified and are available at <http://education.ksc.nasa.gov/esmdspacegrant/>.

NC Space Grant anticipates supporting three student teams from its member institutions to participate in the NASA Exploration Senior Design Project. The maximum award available per team is \$2,000. Funds can be used to support student senior engineering design projects (e.g. to purchase materials, build prototypes, etc.) or to bring in subject matter experts to consult with the class. Teams are encouraged to seek mentors from industry and the NASA community.

Proposal Guidelines

Proposing teams are required to submit a proposal which contains the following information:

- Description of the design project
- Description of how the project directly supports the identified ESMD-related priorities
- Team makeup (including names and disciplines of each student; if unknown at time of proposal deadline, note how many students will be on team)
- Expertise of faculty mentor and other mentors
- Full project budget and description with request not to exceed \$2,000

Proposal Submission and Deadline

Proposals must be submitted in PDF format to proposals@ncspacegrant.org by **September 28, 2007**. Award announcements will be made by October 12, 2007.

For questions related to the ESMD Senior Design Project, please contact Jobi Cook at (919) 515-5933 or jcook@ncspacegrant.org.