



NC Space Grant – NC Sea Grant 2017-18 Graduate Research Fellowship Request for Proposals

Overview The joint North Carolina Space Grant/North Carolina Sea Grant Graduate Research Fellowship Program provides research support to graduate students across North Carolina colleges and universities. The objective of this research fellowship is to support research within North Carolina’s nearshore environs and coastal watersheds to address research needs and coastal issues in these areas. Research projects will apply relevant measurement instruments and/or remote sensing data sources from National Aeronautics and Space Agency (NASA), National Oceanic and Atmospheric Administration (NOAA), or other data sources that can include, but are not limited to, radiometers, spectroradiometers, satellite sensors, LIDAR, aerial imagery, and other data collected from airplanes, unmanned aerial vehicles, and/or unpowered submersibles.

NC Space Grant/NC Sea Grant is accepting applications for the 2017 – 2018 academic year for a 12 month Graduate Research Fellowship. Applicants must be a full time enrolled graduate student at an accredited college or university within North Carolina and citizen of the United States. The proposed research must be supervised by a faculty mentor. The research activity should be continuous over the course of a 12 month period, commencing in September 2017 and to be completed no later than August 2018. Fellows are required to present their research findings at a meeting, conference or other formal gathering of professional organization(s), association(s), etc. among peer researchers, policy-makers, or another relevant audience. Funding for related travel should be considered within the total award package.

This is a competitive fellowship program supported by NC Space Grant in partnership with NASA, the NC Sea Grant in partnership with NOAA, and the State of North Carolina. Awards are based on scientific merit, adherence to the instructions of this RFP, availability of federal funds, and in recognition of high academic achievement and project results promise.

Fellowship Amount	\$10,000/fellowship
Number of Fellowships	Two fellowships are anticipated for 2017, subject to sufficient funding and quality of the received applications.
Duration	The research activity should be continuous over the course of a 12 month period, commencing in September 2017 and to be completed no later than August 2018.



Eligibility

The Graduate Research Fellowship applicant must be:

- A permanent United States citizen.
- Enrolled full-time in an advanced degree program of study at an accredited college or university in the State of North Carolina.
- Conducting a faculty-mentored research project relevant to this call for proposals.
- In good academic standing with a GPA of 3.0 (out of 4.0) or higher.

Interested students must complete an online application. Please read all program guidelines including applicant eligibility and reporting requirements before submitting your application. The application must be submitted online and all information must be complete or the application will not be reviewed. The key components of the application are discussed in more detail below.

Application

To Apply for a NC Space Grant/NC Sea Grant Graduate Research Fellowship, click [HERE](#).

Proposals should be uploaded as one pdf file via the NC Space Grant Application portal (click new user registration button to begin the application). Proposals must describe the research project (maximum for items 1-4 listed below). The proposal should be in 12-point, Times New Roman font, with 1-inch margins.

Proposals should be uploaded as one pdf file via the NC Space Grant Application portal (click new user registration button to begin the application). Proposals must describe the research project (maximum for items 1-4 listed below). The proposal should be in 12-point, Times New Roman font, with 1-inch margins. Incomplete and late applications will not be accepted.

Proposals must contain the following sections:

1. **Title Page:** include student and major professor contact information.
2. **Description of Proposed Research Project:** A statement written by the student in consultation with a faculty advisor should describe: (1) The key elements of the proposed research and plan of study, including data instruments and/or sources; (2) What he/she intends to accomplish; and (3) Clearly identify how the proposed work has applications of interest to both NASA and NOAA.
3. **Materials and Methods**
4. Clearly defined **Tasks** and a **Timeline** to complete the tasks.\
5. **A Plan to Present Findings:** (1) To present research methodology and/or research findings at a meeting, conference or other formal gathering of professional organization(s), association(s), etc. among peer researchers, policy-



makers, or another relevant audience; and (2) For purposes of public outreach (e.g., an article in *Coastwatch* magazine, a presentation at a maritime center or planetarium, or to K-12 audiences).

6. A detailed **Budget**. Funds may be used for any purpose related to the project, including stipends, undergraduate assistants and tuition. University overhead charges are not permitted. Faculty advisor support is not permitted. Match is not required.
7. **Data Management Plan:** In addition to the above application, to comply with NOAA's data and publication sharing directive for grants and contacts, version 3.0 (<https://nosc.noaa.gov/EDMC/PD.DSP.php>), each applicant must develop and submit with their application a data management plan (DMP). The DMP does not count toward your page limit above. Please review the guidance found in the link above as well as this [example document](#) to assist you in preparing your plan. Plans will be included as part of the proposal evaluation process. Plans should be no more than 2 pages and should include: descriptions of the types of environmental data and information expected to be created during the course of the project; the tentative date by which data will be shared; the standards to be used for data/metadata format and content; methods for providing data access; approximate total volume of data to be collected; and prior experience in making such data accessible. If your project is not expected to develop any environmental data, then your DMP may simply include the declaration: "This proposal is not expected to generate environmental data. Therefore, a Data Management Plan is not required."
8. **Current CV**
9. **Letter of support** from her/his major professor. Up to two additional letters of support from end-users, and other appropriate parties may be included if they enhance the application.

The proposal can contain a **Literature Cited** section if needed, which is NOT included in the four-page limit.

Deadline Application materials must be received **by 5 p.m. Thursday, June 30, 2017.**

Review Process The selection committee will be made up of university faculty in a variety of disciplines, Space Grant and Sea Grant staff, and other relevant experts. Applicants should present their research project in a way that will be understandable to a range of readers.



Award Funding The successful applicant(s) will be notified by July 31, 2017. Funding will be channeled through the fellow's major professor, who must agree to serve as principal investigator on the project.

Products The Graduate Research Fellow must:

- Provide a photo and biographical information upon selection;
- Agree to abide by all reporting requests from NC Space Grant and NC Sea Grant;
- Submit a Final Research Report that shall include a detailed summary of research results and an award impact statement. This information will be shared for review and use within NC Space Grant and/or NC Sea Grant;
- Fellows are required to present their findings at a meeting, conference, or other formal gathering of professional organization(s), association(s), etc. among peer researchers, policy-makers, or another relevant audience.
- Fellows are requested to share their research experiences and translate the results of their project into in a public forum or educational setting, a publication (e.g., *Coastwatch* magazine), and/or via social media and/or traditional media. Presentations that encourage interest in the research topic among the general public, policy-makers, and/or K-12 school students are encouraged;
- Inform NC Space Grant of changes of address; and
- Respond to academic and employment follow-up surveys administered as required by the federal government.

Contact Information **Jobi Cook**, North Carolina Space Grant (jobi_cook@ncsu.edu)
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