The Mississippi Space Grant Consortium (MSSGC) is soliciting applications for the 2023-2024 Graduate Fellowship Program. The Fellowship program is open to graduate students who are U.S. citizens and will be enrolled in a program of full-time study at one of the Mississippi’s eight universities. Students may apply prior to entering or anytime during their graduate program. Eligibility is not limited to science and engineering majors. Any field of study that includes coursework related to research or interest to NASA is eligible.

Title: MSSGC Graduate Fellowship Program
Sponsored By: Mississippi Space Grant Consortium

Submit applications electronically at:
https://olemiss.infoready4.com/#competitionDetail/1886205
APPLICATIONS MAY NOT BE SUBMITTED IN PAPER FORMAT

There are a limited number of opportunities available.
Only three (3) applications will be awarded.

Solicitation Posted
November 1, 2022

Applications Due
February 28, 2023
by 11:59 pm
Section 1. Details

1.A. INTRODUCTION
In 1988, Congress enacted the NASA National Space Grant College and Fellowship Program to address scientific and technological workforce needs and the national decline in scholastic achievement, especially in math and science. NASA’s Space Grant funds education, research, and public service education in all 50 states, the District of Columbia, and Puerto Rico through a network of 52 university-based Space Grant Consortia with over 700 participating affiliates.

The NASA/ Mississippi Space Grant Consortium (MSSGC) consists of seventeen (17) Mississippi Space Grant colleges and universities: Alcorn State University, Coahoma Community College, Delta State University, Hinds Community College, Itawamba Community College, Jackson State University, Meridian Community College, Mississippi Delta Community College, Mississippi Gulf Coast Community College, Mississippi State University, Mississippi University for Women, Mississippi Valley State University, Northeast Mississippi Community College, Pearl River Community College, Southwest Mississippi Community College, University of Mississippi, and University of Southern Mississippi.

A major goal of the MSSGC is to help produce engineers and scientists of the future. While opportunities for careers in STEM have expanded, the number of talented students pursuing degrees in mathematics, engineering, and the sciences has been declining. To encourage talented individuals to pursue STEM fields of study, the MSSGC established the Graduate Research Fellowship program.
The Mississippi Space Grant Consortium provides a competitive Graduate Research Fellowship program, funded by NASA, with the following goals:

1. Encourage undergraduate students in STEM fields of study to continue to the graduate level
2. Promote graduate STEM research while recognizing high academic achievement and promise
3. Increase participation of underrepresented minorities, females, and students with disabilities in aerospace-related careers
4. Implement the goals of the Mississippi Space Grant Consortium (MSSGC) and the National Aeronautics and Space Administration (NASA)

1.B. PERIOD OF AWARD
Awards will be announced by mid-April, 2023, with funding provided to students through their MSSGC affiliate university for the 2023-2024 academic year beginning with the Fall 2023 semester.

1.C. NUMBER AND SIZE OF AWARDS
The MSSGC Director anticipates funding up to three (3) awards of $26,250 each.

Fellowships are $26,250 add-on awards, designed to supplement and enhance basic graduate research support, such as graduate research assistantships, graduate teaching assistantships, and non-federal scholarships and fellowships. Awards are renewable up to three years (total) for students making satisfactory research, academic progress, and K-12 outreach. Awardees will be required to certify through their academic department that basic research support is being provided before funds are released.

1.D. ELIGIBILITY
The Fellowship program is open to graduate students who are U.S. citizens and will be enrolled in a program of full-time study at one of these eight Mississippi universities: Alcorn State University, Delta State University, Jackson State University, Mississippi State University, Mississippi University for Women, Mississippi Valley State University, University of Mississippi, University of Southern Mississippi. Students may apply prior to entering or anytime during their graduate program. Eligibility is not limited to science and engineering majors. Any field of study that includes coursework related to research or interest to NASA is eligible.

Successful scholarship recipients are expected to have a grade point average of at least 3.0 on a 4.0 scale. Priority for fellowship awards will be given to those who do not receive other federal fellowships such as NASA Graduate Student Research Program Fellowships, National Science Foundation Fellowships, etc. Since an important purpose of this program is to increase the participation of underrepresented minorities, females, and persons with disabilities in aerospace-related careers, the MSSGC especially encourages applications from these students.

1.E. GUIDELINES
Applications must be completed via this NASA/MSSGC online link by February 28, 2023: https://olemiss.infoready4.com/#competitionDetail/1886205. Awards will be announced by mid-April 2023 with funding provided to students through their MSSGC affiliate university for the 2023-2024 academic year beginning with the Fall 2023 semester.

Upon selection, awardees must:
- provide a photo and biographical information
• report any change of address to the MSSGC
• respond to academic and employment follow-up surveys

MSSGC Fellows are asked to work with a local K-12 teacher in a STEM area for ten hours per week during the K-12 school year. The MSSGC Director, in collaboration with the University of Mississippi Center for Mathematics and Science Education (CMSE), will host a one-day orientation seminar designed specifically to prepare MS Space Grant Fellows to work with K-12 teachers as a resource. This training is mandatory for all MSSGC Fellows and will be held in August 2023.

If a MS Space Grant Fellow terminates his/her academic programs during the award period, the MSSGC Affiliate University is required to return a prorated share of the fellowship award to the MSSGC. Fellowship funds are non-transferable.

Section 2. Proposal Submission Instructions

2.A. CONTENT AND FORM OF APPLICATION

2.A.i. General rules
A. Incomplete applications will NOT be considered. Late applications will NOT be considered. Applications containing plagiarized or incorrect information will NOT be considered. Non-compliant applications will NOT be considered.
B. The applicant must compile all application documents into a single PDF file. The completed PDF document must include (a) the letter of interest, (b) the description of proposed research and plan of study, (c) the letter of recommendation, (d) the applicant’s resume, and (e) the applicant’s unofficial transcripts.
C. The text of (a) and (b) above must be no smaller than 11-point font, single-spaced, with at least 1” margins on all sides.

2.A.ii. Letter of Interest (2 page maximum)
Applicants should provide a cover letter to describe why they are interested in this NASA-funded fellowship. Outreach to K-12 is a significant component of the MSSGC fellowship. Successful applicants will specifically address their interest in the K-12 component, what they hope to gain from this component, any applicable experience, and how it may positively impact future academic/professional goals. A general plan for what outreach activity will be performed is encouraged but not required. Address this cover letter to the “MSSGC Director.”

2.A.iii. Research Description (2 pages maximum for items A through D)
Reviewers will have appropriate knowledge but will likely not be experts in your field. Write in a way that is understandable to those in other disciplines, define terms where necessary, explain issues clearly, and proofread carefully. Include (1) information that will clarify your project; (2) the main project goal or purpose of your project; (3) the need for this project to be conducted; (4) any preliminary results that you may have; and (5) an explanation for how your plan of study supports your research goals. Successful applicants will make a strong case for how their proposed research relates to NASA objectives.

The research description should include:

A. Abstract: (200-word limit) Give a thorough but basic overview of the project background.
B. Objectives: Describe the objectives, the expected outcomes and impact. Describe the relevance of the proposed work to NASA.

C. Statement of Work: List and describe the specific tasks of your project. Explain the methods that will be used to complete these tasks. Briefly list any facilities, equipment or other resources you will have at your disposal for the completion of the described project.

D. Timeline: Include a timeline of your planned research.

E. References Cited: (does not count toward page limit) Please use the same style for all citations – APA, MLA, etc.

2.A.iv. Letter of Recommendation
Applicants should submit one letter of recommendation from a university faculty member in the student’s discipline.

2.A.v. Resume (2 pages maximum)
Applicants should submit a short resume of education, significant accomplishments, research to date, and other relevant information.

2.A.vi. Transcript
An unofficial transcript with grades up to date is required. An undergraduate transcript is required. A graduate transcript is only required for those who have already completed graduate course work.

2.B. SUBMISSION DEADLINE
Proposals should be submitted by February 28, 2023, 11:59 pm.

2.C. SUBMISSION REQUIREMENTS
Submit all applications via https://olemiss.infoready4.com/#competitionDetail/1886205

Applicants will compile all required parts of the application package (2.A.ii through 2.A.vi above) into one PDF document and upload this document in the “upload files” section of the online application.

For questions, please contact MSSGC Program Specialist Dr. Whitney Jackson at wjackson@olemiss.edu.

Section 3. Proposal Evaluation

Each application is reviewed by multiple reviewers serving as faculty at MS Space Grant institutions throughout the state. Applications are scored according to the following:

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<th>50 points</th>
<th>Research Plan</th>
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<tr>
<td>15 pts</td>
<td>Communication of the Research Plan (Clarity, Style, Effectiveness)</td>
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<td>10 pts</td>
<td>Realistic Goals</td>
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<td>15 pts</td>
<td>Relevance to NASA</td>
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<td>Leadership and Outreach Potential</td>
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| 10 points | GPA |
| 10 points | Strength of Recommendation |