Opportunity Title: NSF Mathematical Sciences Graduate Internship (MSGI) Program
Opportunity Reference Code: NSF-2019-NSF-MSGI

Organization National Science Foundation (NSF)

Reference Code NSF-2019-NSF-MSGI

How to Apply A complete application consists of:

- All required fields within the applicant information and application.
- Academic records showing the equivalent of at least one year of full-time graduate school attendance prior to Fall 2018.
- A complete academic transcript of Undergraduate degree must be provided. Academic records must include the name of the academic institution, name of the student, completed coursework, and grades. Unofficial transcripts or copies of the student academic records printed by the applicant or by academic advisors from internal institutional systems may be submitted.
- Selected candidates must provide copies of official transcripts before the appointment can start.
- Proof of full-time enrollment and courses taken during the Fall 2018 term. If this information is missing from the academic record, additional documentation will be required.
- Minimum of two relevant letters of recommendation. These letters should address the student's academic record and potential for success in an internship, as indicated by communication and teamwork skills.

If you have questions, please send an email to NSF-MSGI@ORISE.ORAU.GOV. Please list the reference code for this opportunity in the subject line of your email.

For program details, please visit: https://orise.orau.gov/nsf-msgi/default.html.

Application Deadline 1/15/2019 11:59:00 PM Eastern Time Zone

Description The National Science Foundation (NSF) Division of Mathematical Sciences (DMS) aims to provide opportunities to enrich the training of graduate students in the Mathematical Sciences through the provision of a NSF DMS summer research internship program. The internships are aimed at students who are interested in understanding the application of advanced mathematical and statistical techniques to "real world" problems, regardless of whether the student plans to pursue an academic or nonacademic career.

Applicants will select their primary and secondary area of interest from the following list of disciplinary areas of the mathematical sciences supported by the NSF Division of Mathematical Sciences.

- Algebra and Number Theory
- Analysis
- Applied Mathematics
- Combinatorics
- Computational Mathematics
- Foundations
- Geometric Analysis
- Mathematical Biology
- Probability
- Statistics
- Topology

Applicants are encouraged to review the information about DMS research areas at https://www.nsf.gov/funding/programs.jsp?org=DMS.

Length and Location of Appointment

Internship appointments are for **10 consecutive weeks on site** at the assigned hosting facility between the months of May and September. Applicants may propose up to three domestically based facilities offering an

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internship for doctoral students in the Mathematical Sciences. Facilities may include federal national laboratories and other non-university research facilities in industry, non-profit organizations, and government.

For a list of hosting facilities, please visit: https://orise.orau.gov/nsf-msgi/applicants/host-sites.html.

Participant Benefits

- A stipend of $1,200 per week will be paid during the 10-week internship period.
- Transportation expenses for round trip travel costs up to $2,000 between the participant's U.S. residence and the assigned internship location will be provided to participants who live more than 50 miles from the hosting facility.

Conditions of the Internship

- U.S. citizenship is not required for participation in the program. However, depending on the internship assignment, U.S. citizenship, permanent residence, J1 visa, or F1 visa may be required. For non-U.S. citizens, internships are contingent upon having a valid immigration status. ORISE will work with participants to determine eligibility.
- Participants are required to have health insurance coverage during the internship period and provide proof of coverage prior to the start of the internship.

Nature of Appointment

Participants will not enter into an employee/employer relationship with ORISE, ORAU, DOE, NSF or any other office or agency. Participants will be affiliated with ORISE for the administration of the appointment through the ORISE letter of appointment and Terms of Appointment.

Qualifications

Students meeting the following conditions will be considered for appointments:

- Full-time enrollment as a graduate student at an accredited U.S. college or university during the 2018-2019 academic year.
- Have a cumulative graduate GPA of 3.00 or higher on a 4.00 scale, including Fall 2018 grades.
- At time of appointment, must be enrolled and pursuing a doctoral degree in mathematics, statistics or applied mathematics.

Additional Information:

- Candidates selected for an internship appointment will be required to provide proof of enrollment for Spring 2019.
- Students graduating with a doctoral degree prior to the expected internship start date are not eligible to participate.

Eligibility Requirements

- **Degree:** Currently pursuing a Doctoral Degree.
- **Overall GPA:** 3.00
- **Discipline(s):**
  - **Mathematics and Statistics** (11 👁)