

**Opportunity Title:** Data Analysis and Statistics Internship

**Opportunity Reference Code:** NSF-NCSES-2019-0002



**Organization** National Science Foundation (NSF)

**Reference Code** NSF-NCSES-2019-0002

**Description** The National Center for Science and Engineering Statistics (NCSES) — part of the National Science Foundation (NSF) — is the world's premier source for data and information on the science and engineering enterprise. NCSES is one of only thirteen principal statistical agencies in the U.S. federal government.

This internship is for participants in a wide variety of fields including, but not limited to: Business Management, Communications and Graphic Design, Computer Sciences, Economics, Marketing, Mathematics and Statistics, and Survey Methodology.

#### **What will I be doing?**

You will be involved in a variety of interesting and original activities. You will learn and collaborate on projects that make use of expertise from a variety of fields, including survey methodology, survey statistics, economics and other social science disciplines to design, study, implement and conduct national surveys to measure the science and engineering enterprise. You will have the opportunity to be part of and learn about research projects, evaluation initiatives, surveys, data collection and specialized analyses.

The scope of activities in the internship include, but are not limited to:

- Use statistical and methodological principles to design, develop, coordinate, conduct, analyze, and disseminate surveys of science and engineering resources.
- Collaborate with NCSES staff to assist in conducting project management and survey implementation.
- Design and prepare responses to "requests for information".
- Assist in research, evaluation, and testing software solutions for data and information dissemination.
- Collaborate with data system, metadata, publications, and web teams to develop data on products, such as InfoBriefs, data tables, special reports, public and restricted use data files, and Office of Management and Budget products.

Both independently, and as part of a team effort, you may have the opportunity to conduct analysis of key trends and patterns, and to visualize and present the findings in novel and informative ways. You will also have opportunities to collaborate with some of the world's leading experts on the science and engineering enterprise and in fields such as statistics, survey methodology, and economics.

#### **What is the anticipated start date?**

Several internships will be granted beginning February 2020. Exact start dates will be determined at the time of selection and in coordination with the selected candidates. This may be a part-time or full time internship.

#### **What are the benefits?**

You will receive a competitive stipend for living and other expenses as determined by NSF. Stipends are typically based on academic standing, discipline, and experience. You may also be eligible to receive a health insurance allowance and reimbursement for travel expenses.

To learn more about NCSES, visit <https://ncses.nsf.gov/>. Learn more about careers with the National Science Foundation at <https://www.nsf.gov/careers/>.

#### **Nature of the Appointment**

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

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**Qualifications Applicants must meet the following requirements:**

- Be currently pursuing or have received within 4 months of the application submission date a Bachelor's or Master's in Communications & Graphic Design, Computer Sciences, Data Science, Demography, Economics, Engineering, Physics, Mathematics & Statistics, Sociology, Survey Methodology or similar field in the life, health and medical sciences or business sectors.
- Have a minimum GPA of 3.0 on a 4.0 scale








**A complete application consists of:**

- Zintellect Profile
- Essay Questions (goals, experiences, and skills relevant to the opportunity)
- Resume (PDF)
- Academic Records - For this opportunity, an unofficial transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted.
- Letter of Recommendation - While a letter of recommendation is not required to be considered, applicants are required to provide contact information for one recommendation in order to submit the application. Applicants are encouraged to request a letter of recommendation before submission as this may help reviewers have a better understanding of the applicant's qualifications and interests. Letters of recommendation must be submitted on your behalf before selections are completed and offers are made.

*Submitted documents must have all social security numbers, student identification numbers, and/or dates of birth removed (blacked out, blackened out, made illegible, etc.) prior to uploading into the application system. All documents must be in English or include an official English translation.*

If you have questions, send an email to [SciEdPrograms@orau.org](mailto:SciEdPrograms@orau.org). Please list the reference code of this opportunity in the subject line of the email.

**Eligibility Requirements**

- **Degree:** Bachelor's Degree or Master's Degree received within the last 4 months or currently pursuing.
- **Overall GPA:** 3.00
- **Discipline(s):**
  - **Business** (8 )
  - **Communications and Graphics Design** (5 )
  - **Computer, Information, and Data Sciences** (7 )
  - **Earth and Geosciences** (1 )
  - **Mathematics and Statistics** (5 )
  - **Other Non-S&E** (3 )
  - **Social and Behavioral Sciences** (3 )