

# Quantitative Research Methods for STEM Education Scholars Program

## 2024-25 Application Instructions

[The NSF QRM Scholars Program](#) is an NSF-funded project offered by the University of Maryland, College Park, aimed at building capacity in STEM Education research. The program provides quantitative research training, workshops, mentorship, and opportunities for Scholars to share their work with a broader audience. They will receive mentorship and training throughout the academic year and have the opportunity to take several virtual 1- to 3-day workshops on quantitative methods, all while at their home institution. Scholars will attend two mandatory sessions: a **3-day VIRTUAL Fall Training Institute (Sept. 27, 28, & Oct. 4, 2024)** and a **2-day IN-PERSON Winter Training Institute (Jan. 31 & Feb. 1, 2025)**. The Program, funded by the NSF, is entirely free for participating scholars.

### To be eligible for the QRM Scholars Program, applicants

- must be an early career scholar at a US institution and no more than 10 years from their degree; and
- have a research focus related to issues of access and equity of underrepresented populations in STEM within either PK-12 or postsecondary settings.

The QRM Scholars Program is intended to be diverse, and we encourage submissions from applicants who identify with traditionally underrepresented groups/backgrounds. If you have questions about whether you are eligible, please contact us at [nsf-qrm-scholars@umd.edu](mailto:nsf-qrm-scholars@umd.edu).

### The QRM Scholars Program application asks the following:

- **Statement of Interest** (1 page maximum, single-spaced, PDF upload)
  - Describe your background and personal goals;
  - Describe how your project aligns with the goals of the NSF QRM Scholars Program (see [program website](#) for more details).
- **Current CV** (PDF upload)
- **Proposal Title and Structured Abstract**
  - Briefly describe your proposed research project for your Scholar Year (note: your proposal can be the writing of a larger proposal for a federal or foundation grant competition).
  - **Background/Context:** Present the relevant background information. (50 words max.)
  - **Purpose/Research Questions:** Identify the purpose of the research / primary research questions. (50 words max.)
  - **Population of Interest:** Describe the population of interest for this research, including units of observation (e.g., schools, students, teachers), settings, etc. (50 words max.)
  - **Type of Research Design:** Describe the proposed research design (e.g., randomized controlled trial, observational study, secondary data analysis), if known. (50 words max.)
  - **Data Description (and Data Collection Plan):** Indicate the status of your data collection and describe the proposed data sources (e.g., cross-sectional, longitudinal, secondary data, achievement, attitudes, knowledge, behaviors). Describe your data collection plan if applicable. (50 words max.)
  - **Proposed Analysis:** Discuss the plan for analyzing data, if known. (50 words max.)
- **Link to your Public Google Scholar Profile**
  - Instructions for creating a profile on Google Scholar can be accessed via the [Google Scholar Citations Help](#) page. For additional help, see the [step-by-step guide](#) compiled by the University of Oklahoma Libraries.

The application portal for the 2024-25 QRM Scholars Program will open April 7, 2024. The priority deadline is June 9, 2024. All applications should be submitted via the Application Portal. For more information, check our [application page](#), our [Frequently Asked Questions](#), or contact us via email at [nsf-qrm-scholars@umd.edu](mailto:nsf-qrm-scholars@umd.edu).

