The GSE solicitation encourages proposals to support efforts to understand and address gender-base differences in science, technology, engineering, and mathematics (STEM) education and workforce participation through the following categories:

- Research projects
- Diffusion of Research-based Innovation projects
- Extension Services in Education projects

Contact Information: (15 to 22 GSE program grants awarded per year)
National Science Foundation: Research on Gender in Science and Engineering Program
4201 Wilson Blvd., Room 815, Arlington, VA 22230  Phone: 703-292-8684 / Fax: 703-292-9018

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5475&org=HRD&from=home
Research Projects

Typical projects contribute to the knowledge-base addressing gender-related differences in learning and the educational experiences that affect:

- Student Interests
- Performance
- Choice of careers

Factors Contribute to Causing or Closing Gender Gaps in Certain Fields

- Pedagogical approaches
- Curriculum
- Institutional culture

- Teaching Styles
- Student services

Diffusion of Research-based Innovations Projects

Provide a mechanism for engaging a wider audience of practitioners (e.g., teachers, faculty, guidance counselors, parents, etc.) with research findings and strategies for changing educational practice relative to gender issues.

Three Types of Diffusion Awards:

- Pilot
- Scale Up
- Dissemination

Extension Service Projects

Create a cadre of extension service agents through training and consulting services to inform educators and other practitioners to adopt embedded and proven gender-inclusive policies and practices in the following:

- Pedagogy
- The Design of Curriculum Materials
- Student Support Programs
- Educator and Faculty Development

Extension services employ a “train-the-trainer” model and are based on a “comprehensive program of change” that includes research-based and evaluated educational practices.

GSE Resources:

Program Solicitation: Research on Gender in Science and Engineering FY 2010 (NSF 10-516)

New Formulas for America’s Workforce: Girls in Science and Engineering (NSF 03-207)

New Formulas for America’s Workforce 2: Girls in Science and Engineering (NSF 06-60)

New Tools for America’s Workforce (NSF 06-59)