Your **National Science Foundation**:
funding opportunities for students through the Graduate Research Fellowship Program

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National Science Foundation

- Independent federal agency created in 1950

- Mission
  - To promote the progress of science
  - To advance the national health, prosperity, and welfare
  - To secure the national defense

- Funds ~20% of all federally supported basic research conducted by America's colleges and universities

NSF and you!

Mission

- *To promote the progress of science –* **you are the future of science in the U.S.**

- *To advance the national health, prosperity, and welfare –* **your research and outreach efforts, now and in the future**

- *To secure the national defense –* **through your innovations and efforts**

These efforts will succeed if **everyone**, from **all types of schools**, can participate in STEM

NSF supports people (as well as projects)

www.nsf.gov

nsf.gov - National Science ... ✕

QUICK LINKS

National Science Foundation
WHERE DISCOVERIES BEGIN

SEARCH

HOME

FUNDING   AWARDS   DISCOVERIES   NEWS   PUBLICATIONS   STATISTICS   ABOUT NSF   FASTLANE

Globular C
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FULL

- REU

- GRFP

- Specialized Information for Graduate Students

- Specialized Information for Undergraduate Students

Advancing the Sciences   Funding & Supporting   Inspiring & Edu

VIMS Researchers Unravel Life Cycle of Blue-crab Parasite
October 4, 2012

October 2, 2012

www.nsf.gov

NSF Information Related to the American Recovery and Reinvestment Act of 2009

Proposal and Award Policies and
Procedures Guide
Prepare a Proposal
Upcoming Due Dates
Submit Proposal to FastLane

EVENT CALENDAR

15 OCT Center for Nondestructive Evaluation IAB Meeting
PARTNERSHIP MEETING

15 OCT I/UCRC: Center for Laser and Plasma for Advanced Manufacturing (LPAM) IAB Meeting
PARTNERSHIP MEETING

15 OCT I/UCRC: Center for Tire Research IAB Meeting
PARTNERSHIP MEETING

16 OCT Science: Becoming the Messenger
WORKSHOP

17 OCT Fall 2012: ENG Advisory Committee Meeting
ADVISORY COMMITTEE MEETING

VIEW ALL EVENTS

Customizable NSF email service

FUNDING   AWARDS   DISCOVERIES   NEWS   PUBLICATIONS   STATISTICS   ABOUT NSF   FASTLANE

Research.gov | USA.gov | National Science Board | Recovery Act | Budget and Performance | Annual Financial Report
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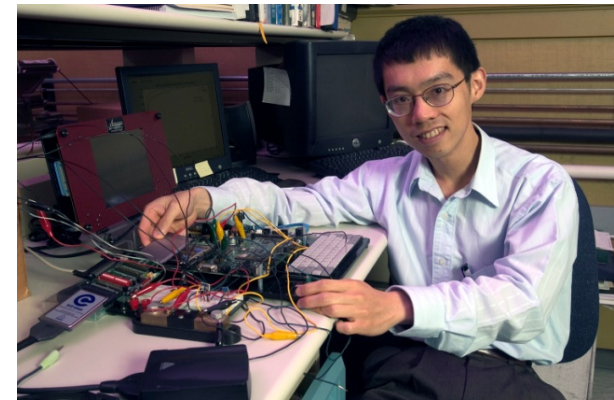
Division of Graduate Education Portfolio

Graduate Research Fellowship Program

NSF Research Traineeship Program

CyberCorps Scholarship for Service

EHR Core Research: Workforce Development

Graduate Research Fellowship Program (GRFP) goals:

- To select, recognize, and financially **support individuals** who have demonstrated the potential to be high achieving scientists and engineers, early in their careers.

- To **broaden participation** in science and engineering of underrepresented groups, including women, minorities, persons with disabilities and veterans.

Outcome: Recruit and retain these individuals in the U.S. STEM workforce

NSF fellowships begin in 1952

First Annual Report of the National Science Foundation (1950-51):

"Since the training of young scientists is of such crucial importance, the National Science Foundation has determined that a graduate fellowship program should be the first order of business. First emphasis will be given to fellowships rather than scholarships, because the completion of graduate work will have the most immediate effects upon the national supply of trained manpower." (p. 17)

"As was pointed out previously the National Science Foundation is emphasizing first-year awards of graduate fellowships to help as many students as possible across the bridge between undergraduate and graduate study." (p. 29)

Recruit & retain students with the potential to be high achieving scientists & engineers, including women, minorities, persons with disabilities, and veterans
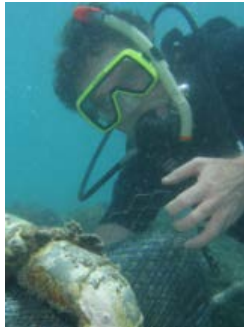
Graduate Research Fellowship Program

Key Elements

Five Year Award – $138,000 per Fellow

Three years of support
    $34,000 Stipend per year
    $12,000 Educational allowance to institution
Career Life Balance (family leave)
Supercomputer access: XSEDE
Professional Development Opportunities:

GROW: International Research
GRIP: Federal Internships

GRFP Solicitation (NSF 16-588)

- Provides the following information:

  - **Deadlines**

  - **Program description**

  - **Award information**

  - **Eligibility requirements**

  - **Application preparation**

  - **Submission instructions**

  - **Application review criteria**

GRFP Eligibility

- U.S. citizens and permanent residents
- Early-career: undergrad & grad students
- Pursuing research-based MS or PhD
- Science and engineering
- Enrolled in accredited institution in US by Fall

Academic Levels

- **1: Seniors or baccalaureates with no graduate study yet**
- 2: First-year graduate students
- 3: Second-year graduate students
    (≤ 12 months of graduate study by August)
- **4:** >12 months graduate study, with interruption in graduate study of 2+ years (can have MS degree)

GRFP Fields of Study

- Chemistry
- Computer & Information Science/Engineering
- Engineering
- Geosciences
- Life Sciences
- Materials Research
- Mathematical Sciences
- Physics and Astronomy
- Psychology
- Social Sciences
- STEM Education
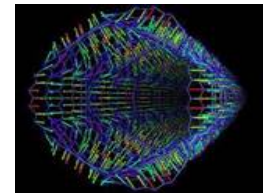
GRFP Complete Application

Complete Application Package:

1) **Personal**, Relevant Background and Future Goals **Statement** (3 pages)

2) Graduate **Research Statement** (2 pages)

3) **Transcripts** (uploaded electronically)

4) <u>Three</u> **letters of reference**

DEADLINES: October/November 2017

Refer to Solicitation NSF 16-588

NRT: NSF Traineeships

	Traineeship Track
Primary Aim	Comprehensive graduate student training
Interdisciplinary	Yes
Stipend & COE Support:	Yes
Duration/Amount	Up to 5 years; < $3 M
Limit per Organization	2
Eligible Organizations	US Institutions that award research-based master's and doctoral degrees

NRT Portfolio

- 57 projects
  - **34 Traineeship**
  - 23 IGE
- 29 states
  - 22% projects in EPSCoR states

NRT-UtB: University of South Dakota Neuroscience and Nanotechnology Network

NSF CyberCorps®: Scholarship for Service (SFS) Program

GOALS

- Increase the number of qualified employees working for Federal, State, Local, and Tribal governments in cybersecurity

- Increase the capacity of US education enterprise to produce professionals in cybersecurity

ELIGIBILITY

- Institution: National CAE/IAE designation or offers coherent formal cybersecurity program

- Student: US citizen or Permanent Resident, enrolled in cybersecurity program (full time)

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NSF CyberCorps®: Scholarship for Service (SFS) Program

SUPPORT

- Full tuition, stipend ($22.5K/$34K per year), and fees/insurance/allowance (up to $9K per year), up to 3 years

- Summer internship, JobFair, post-graduation service requirement (work in government positions equal to scholarship length)

IMPACT

- 2,900 SFS scholarship recipients (since 2001)

- B.S. (22%), M.S. (75%), Ph.D. (2%), B.S./M.S. (1%)

- Female (25%), data collection since 2013

- Overall placement rate ➔

94%

Dakota State University NSF-SFS Cyber Corps

Portals for federally-sponsored opportunities in STEM for students

stemundergrads.science.gov   stemgradstudents.science.gov