Division of Graduate Education (DGE)
Graduate Research Fellowship Program (GRFP)
NSFGRFP.org
About GRFP

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Graduate Research Fellowship Program (GRFP)

DESCRIPTION
Five Year Awards – $159,000*

$53,000 each year for *three* years over five-year period

- $37,000 stipend + $16,000 education allowance paid to institution
- Payment covers all tuition and mandatory fees (no cost to student)

Other NSF Opportunities

- INTERN – non-academic internship program
- FASED Individuals with Disabilities support
- Career-Life Balance Initiative (family leave)

*Amounts are based on GRFP Solicitation NSF 23-605 and subject to the availability of funds
• **Fellowship**: Awarded to individual, paid through the attended graduate institution
• **Flexible**: Choice of project, advisor, and graduate program
• **Unrestricted**: No service requirement after completion
• **Portable**: Can be used at any accredited, non-profit, US institution of higher education, with campus in US for research-based master’s and doctoral degrees

**2010 - 2022: ~2,000-2,100 Fellowships yearly**

- 2022: ~12,600 Applications - ~18% success rate
- 2021: ~12,600 Applications - ~17% success rate
- 2020: ~12,800 Applications - ~16% success rate
- 2019: ~12,200 Applications - ~16% success rate
The overall goal of the Graduate Research Fellowship Program is to recruit individuals into Science, Technology, Engineering, and Mathematics (STEM) fields

- 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 of the full spectrum of diverse talents in STEM
Graduate Research Fellowship Program (GRFP)

ELIGIBILITY
**GRFP Eligibility**

**NSF Solicitation 23-605**

- U.S. citizens, nationals, and permanent residents
- Early-career: undergrad & graduate students
- Pursuing research-based master’s and/or doctoral degrees (no professional degrees)
- Science, Technology, Engineering, Mathematics (STEM) or STEM Education
- Full-time enrollment in graduate degree program at accredited, non-profit US institution of higher education
- NO foreign institutions

<table>
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<tr>
<th>Level</th>
<th>Eligibility Details</th>
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<tr>
<td>Level 1</td>
<td>Seniors/Bachelor’s degree: no graduate study</td>
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| Level 2 | 1st-year graduate students  
  - Joint Bachelor’s-Master’s (completed 3 years) |
| Level 3 | Second-year graduate students  
  - No more than 1 academic year completed in 1st graduate degree program  
  - Joint BS/MS holders ONLY: can apply as 1st year doctoral students progressed to PhD directly after completing joint BS/MS degree |
| Level 4 | Returning graduate students  
  - > 2-year interruption in graduate study  
  - No doctorates or >1 academic year in graduate program  
  - NOT ENROLLED in graduate program at application deadline |

*Only apply once*
Ineligible Degree Programs

- Professional degree programs
  - E.g., MBA, MD, JD, DVM, DDS
- Joint science-professional degree programs
  - E.g., MD/PhD, JD/PhD
- Community, Global, or Public Health (MPH)
- Counseling, Social Work (MSW)
- Education (except STEM education)
- Humanities (except history of science)

See Detailed Eligibility Requirements in the GRFP Solicitation
Ineligible Areas of Study and Proposed Research*

Research with directly health-related goals
- Etiology, diagnosis, or treatment of disease or disorder
- Animal models of disease for drug development/testing
- Epidemiology
- Disease prevention
- Public, community, global health
- Clinical research
- Patient-oriented research
- Epidemiological and behavioral studies

Outcomes research
- Health services, standard of care, health policy
- Research directly leading to clinical trials
- Advocacy for specific policy outcomes

Applied research on plant pathology
- Maximizing agricultural production

Impacts on food safety

* See GRFP solicitation for limited exceptions to ineligible areas of study and proposed research
Graduate Research Fellowship Program (GRFP)

Application Package
Complete Application Package:

2) Personal, Relevant Background and Future Goals Statement (3-page PDF)
3) Graduate Research Statement (2-page PDF)
4) Transcripts (PDFs; mandatory)
5) Letters of reference (may provide up to five names of reference letter writers)
   - Mandatory: 3 reference writer names
GRFP Application Specifics

DEADLINES (5 p.m. local time of applicant mailing address):

• Oct. 16, 2023: Life Sciences
• Oct. 17, 2023: Computer & Information Science & Engineering, Materials Research, Psychology, Social Sciences, STEM Education & Learning
• Oct. 19, 2023: Engineering
• Oct. 20, 2023: Chemistry, Geosciences, Mathematical Sciences, Physics & Astronomy

Read the GRFP Solicitation for detailed application instructions and requirements!

To request accessibility accommodations, please contact info@nsfgrfp.org at least four weeks before the application deadline.
Example GRFP Application Timeline

- **Late October:** Applications Due
- **Shortly after application is due:** Reference Letters Due
- **For Level 1 only:** Apply to Grad Schools!
- **March – April:** Fellowship Offers
- **Early May:** Acceptance of Award and Declaration of Tenure/Reserve
- **Early September:** Fellowship Year Begins

National Science Foundation
Directorate for STEM Education (EDU)
Graduate Research Fellowship Program (GRFP)

Two Statements

1) Personal, Relevant Background & Goals
2) Research Statement
Personal, Relevant Background & Goals

- Tell your story; demonstrate your potential for STEM research
- Experiences (professional and personal) that contributed to your motivation and preparation for pursuing a STEM career

Career aspirations and future goals
How have your experiences shaped your goals?

Research, industrial, professional experience
- What was the project, what was your role?
- How did you become involved? Where was it done?
- Why was this project worth doing? What have you learned? Any advanced course work?
- What was your contribution to the project and how did it fit into the whole?
Describe your proposed research plan:

• Communicate your research idea and approach
• Explain your research plan and methods
• What do you expect to learn? How will you know if the project is successful?
• What would you do next?

Keep in mind:

• Avoid jargon
• Communicate clearly for non-specialists
• Make your contributions clear

Clearly address NSF’s Merit Review Criteria – Intellectual Merit and Broader Impacts – under separate headings
Reference Letters & Transcripts

Reference Letters

MANDATORY for Application Review

- 3 reference writer names in the application
- 2 reference letters must be received by NSF

STRONGLY RECOMMENDED

- List up to 5 names of reference writers
- 3 reference letters received by NSF

List and rank up to 5 reference letter writers - Top 3 will be seen by reviewers

Transcripts – Required

- All applicants must submit Bachelor’s degree transcript
- Transcripts required for all degree programs
- Transcripts required for all graduate degree enrollment
- Official or unofficial transcripts accepted
- Official transcripts recommended for 2nd year graduate students
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Review Criteria
Intellectual Merit

• How important is the proposed activity to advancing knowledge within its own field or across different fields?

Broader Impacts

• How well does the proposed activity benefit society or advance desired societal outcomes?
Comprehensive Review
National Science Board Merit Review Criteria

Review considerations:

• Demonstrated potential for significant achievement in STEM
• Comprehensive, holistic approach to review
• Balanced consideration to all components of the application
  • educational and research record, leadership, outreach, service activities, plans for the future, individual competencies, experiences, and other attributes
Evidence of potential and ability:
• Demonstrated intellectual ability (grades, curricula, awards, publications, presentations, etc.)
• Plan and conduct research
• Work as a member of a team as well as independently
• Interpret and communicate research
• Take initiative, solve problems, persist
• Display the potential of your approach to your major field of study and your Research Plan to advance knowledge

Evidence of Intellectual Merit can be found in all parts of the application: Personal Statement, Research Plan, letters, experiences, awards, achievements, and transcripts
Societal benefits may include, but are not limited to:

- Increasing participation of the full spectrum of diverse talents in STEM
- Engaging in mentoring; improving STEM education in schools
- Increasing public scientific literacy; increased public engagement with STEM
- Conducting community outreach: science clubs, radio, TV, newspapers, blogs
- Increasing collaboration between academia, industry, others

Evidence of Broader Impacts can be in all parts of the application: Personal Statement, Research Plan, letters, experiences, awards, achievements
Thank you!

Graduate Research Fellowship Program (GRFP)

Program Contacts
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Applicants: info@nsfgrfp.org
GRFP Reference Writers: nsfgrfp.org/reference_writers
GRFP Reviewers: nsfgrfp.org/reviewers

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(toll-free from the US & Canada)
202-331-3542 (international)