

US Graduate Fellowships in Science and Engineering

National Science Foundation - Graduate Research Fellowship Program (NSF-GRFP)

Supports Master's and Ph.D. degrees

→ *Fellows are eligible for other awards and benefits like government internships and research abroad*

Fields Supported: Geosciences; Life Sciences; Computer & Information Science & Engineering; Engineering; Materials Research; Psychology; Social Sciences; STEM Education & Learning; Chemistry; Mathematical Sciences; Physics & Astronomy

<https://www.nsfgrfp.org/>

National Defense Science and Engineering Graduate (NDSEG) Fellowships

Supports Ph.D. degrees

Fields Supported: Aeronautical & Astronautical Engineering; Biosciences; Chemical Engineering; Chemistry; Civil Engineering; Cognitive, Neural, & Behavioral Sciences; Computer & Computational Sciences; Electrical Engineering; Geosciences; Materials Science & Engineering; Mathematics; Mechanical Engineering; Naval Architecture & Ocean Engineering; Oceanography; Physics

<http://www.ndsegfellowships.org/>

Hertz Fellowship

Supports Ph.D. degrees

Fields Supported: Aeronautics/Astronautics; Applied Mathematics & Statistics; Applied Physics & Astronomy; Chemistry & Chemical Engineering; Computer Science & Engineering; Earth & Geo Sciences; Electrical, Mechanical, Civil & Nuclear Engineering; Materials Science; Quantitative Biology & Bio-Engineering

<http://hertzfoundation.org/dx/fellowships/fellowshipaward.aspx>

National Physical Science Consortium (NPSC) Graduate Fellowships

Supports Master's and Ph.D. degrees

→ *May require that fellows work in a government lab during the summer or after graduating*

Fields Supported: Fields supported can vary annually depending on employer (NIST, the National Security Agency, and Sandia National Laboratories) needs. In general NPSC covers Astronomy; Chemistry; Computer Science; Geology; Materials Science; Mathematical Sciences; Physics; Chemical, Computer, Electrical, Environmental, and Mechanical Engineering; and sometimes Biotechnologies & Biomaterials

<http://www.npsc.org/index.html>

SMART (Science, Math, & Research for Transformation) Scholarships

Supports Master's and Ph.D. degrees

→ *Internships every summer and one year of work after graduating in a Department of Defense lab for every year of support*

Fields Supported: Aeronautical & Astronautical Engineering; Biosciences; Chemical Engineering; Chemistry; Civil Engineering; Cognitive, Neural, & Behavioral Sciences; Computer & Computational Sciences; Electrical Engineering; Geosciences; Industrial & Systems Engineering; Information Sciences; Materials Science & Engineering; Mathematics; Mechanical Engineering; Naval Architecture & Ocean Engineering; Nuclear Engineering; Oceanography; Operations Research; Physics

https://smartscholarshipprod.service-now.com/smart?id=smart_index

Department of Energy (DOE) Computational Science Graduate Fellowship

Supports Ph.D. degrees

→ *Fellows attend an annual summer meeting and complete one 12-week research practicum in a DOE lab during the fellowship*

Fields Supported: Applied Mathematics; Astrophysics; Chemical Engineering; Chemistry; Computer Science; Environmental Science; Life Sciences; Machine Learning; Materials Science; Mechanical Engineering; Physics; Statistics

→ Note that there is a specialized track for students in applied mathematics, statistics or computer science with a research focus on issues in high-performance computing as a broad enabling technology

<https://www.krellinst.org/csqf/>

Knight-Hennessy (K-H) Scholarship

Supports any graduate or professional degree offered by Stanford University including those in science, math, and engineering

Fellows have lots of enrichment opportunities with other K-H fellows while in grad school

Fields Supported: All fields of study with graduate or professional programs at Stanford

<https://knight-hennessy.stanford.edu/>

American Association of University Women (AAUW) Selected Professions Fellowship

Supports Master's (all women) and MBA, Law, and Medical degrees (for women of color only)

Fields Supported: Architecture; Computer/Information Sciences; Engineering; Mathematics/Statistics; Master's in Business Administration (for second year of study only); Law (for third year of study only); Doctorate in Medicine (for third or fourth year of study only)

<http://www.aauw.org/what-we-do/educational-funding-and-awards/selected-professions-fellowships/>

Ford Foundation Predoctoral Fellowship

Supports Ph.D. and Sc.D. degrees for individuals committed to a career in teaching and research at the college or university level and are well prepared to use diversity as a resource for enriching the education of all students

Fields Supported: Engineering Biological & Biomedical Sciences; Chemistry; Computer Science; Earth Sciences; Ecological, Environmental, & Evolutionary Sciences; Education; Engineering; History; Interdisciplinary Study (Social Sciences & Humanities); Literature & Languages; Mathematics; Performance Studies, Communication, & Art History; Philosophy & Religious Studies; Physics & Astronomy; Psychology; Social Sciences (including Economics, Political Science, and Ethnic Studies); Social/Cultural Anthropology, and Archeology; Sociology

<http://sites.nationalacademies.org/PGA/FordFellowships/>

GEM Fellowship

Supports Master's (in engineering fields) and Ph.D. degrees (in chemistry, physics, earth sciences, mathematics, biological sciences, computer science and engineering fields) for American Indian/Native, African American/Black, and Hispanic American/Latino individuals

Fields Supported: Engineering Fields; Chemistry; Physics; Earth Sciences; Mathematics; Biological Sciences; Computer Science

<https://www.gemfellowship.org/students/gem-fellowship-program/>