

## **American Association for the Advancement of Science (AAAS) Science & Technology Policy Fellowships**

**<http://fellowships.aaas.org/index.shtml>**

Since 1981, EPA's NCER has managed the AAAS Science and Engineering Fellows Program, in cooperation with the American Association for the Advancement of Science (AAAS). The fellowship program is designed to provide an opportunity to learn first-hand how scientific and technological information is used in environmental policy-making; to provide a unique public policy learning experience; to demonstrate the value of science, technology, and economics in addressing societal problems; and to make practical contributions to the more effective use of scientific and technical knowledge in the programs of the U.S. government. Fellows will work in offices throughout the EPA on projects of mutual interest to the Fellows and the hosting offices.

### **Eligibility: ME/EE/CS**

Must hold a doctoral level degree and be a US Citizen. Engineering disciplines (applicants with a MS in engineering and three or more years of professional experience also qualify).

## **Amelia Earhart Fellowship**

Today, women remain a distinct minority in science and engineering, representing approximately 10 percent of professionals in these fields. The Amelia Earhart Fellowship program helps talented women, pursuing advanced studies in the typically male-dominated fields of aerospace-related sciences and engineering, achieve their educational goals. The Fellowship enables these women to invest in state-of-the-art computers to conduct their research, purchase expensive books and resource materials, and participate in specialized studies around the globe.

ME/EE/CS – Female

<http://www.zonta.org/WhatWeDo/InternationalPrograms/AmeliaEarhartFellowship.aspx>

## **GEM**

GEM's fellowship programs span the entire recruitment, retention, and professional development spectrum. GEM's principal activity is the provision of graduate fellowships at the MS and Ph.D. levels coupled with paid summer internships. GEM also offers programming on the importance of graduate school and tools for access and successful matriculation.

ME/CS/EE

<http://www.gemfellowship.org/gem-fellowship>

## **GSG grant**

Graduate Continuance Fellowship, GSG Lecture Series Grant, Meeting Attendee Travel Grant, Presenter Travel Grant, UG travel Grant, and Family Assistance Grant.

ME/CS/EE

<http://gradschool.mines.edu/GSA-Grants>

### **IBM Ph.D. Fellowship Awards Program**

The IBM Ph.D. Fellowship Awards Program is an intensely competitive worldwide program, which honors exceptional Ph.D. students who have an interest in solving problems that are important to IBM and fundamental to innovation in many academic disciplines and areas of study. These include: computer science and engineering (including cyber security, cloud, and mobile computing), electrical and mechanical engineering, physical sciences (including chemistry, material sciences, and physics), mathematical sciences (including analytics of massive scale data with uncertainty, operations research, and optimization), public sector and business sciences (including urban policy and analytics, social technologies, learning systems and natural language understanding), and service science, management, and engineering (SSME).

ME/EE/CS

<http://www.research.ibm.com/university/phdfellowship/>

### **IEEE**

IEEE offers a variety of scholarships, grants, and fellowships for IEEE Student members. Submit a project or paper for consideration and have the opportunity to win and gain peer recognition for your effort. Terms and conditions may apply.

ME/EE/CS

[http://www.ieee.org/membership\\_services/membership/students/awards/index.html](http://www.ieee.org/membership_services/membership/students/awards/index.html)

### **NASA**

NASA is an investment in America's future. Our activities contribute to the achievement of the Nation's science and technology goals and priorities, one of which is "Educational Excellence: We involve the education community in our endeavors to inspire America's students, create learning opportunities, and enlighten inquisitive minds." NASA uses its unique resources to support educational excellence for all. This vision guides all NASA activities and programs, and guides the unique contribution that our Education Program provides to America's education community.

Site under construction need more information

Assume ME/EE/CS

<https://fellowships.nasaprs.com/gsrp/home/fellowships.cfm>

### **National Defense Science and Engineering Fellowships**

As a means of increasing the number of U.S. citizens and nationals trained in science and engineering disciplines of military importance, the Department of Defense (DoD) plans to award approximately 200 new three-year graduate fellowships in April 2014, subject to the availability of funds. The DoD will offer these fellowships to individuals who have demonstrated the ability and special aptitude for advanced training in science and engineering

ME/EE/CS

<http://ndseg.asee.org/>

### **National Science Foundation Graduate Research Fellowship Program**

The National Science Foundation's Graduate Research Fellowship Program (GRFP) helps ensure the vitality of the human resource base of science and engineering in the United States and reinforces its diversity. The program recognizes and supports outstanding graduate students in NSF-supported science, technology, engineering, and mathematics disciplines who are pursuing research-based masters and doctoral degrees at accredited US institutions. The NSF welcomes applications from all qualified students and strongly encourages under-represented populations, including women, under-represented racial and ethnic minorities, and persons with disabilities, to apply for this fellowship.

ME/EE/CS

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

NSF funding index: <http://www.nsf.gov/funding/index.jsp>

NSF Index engineering grants: <http://www.nsf.gov/dir/index.jsp?org=eng>

### **SAE Doctoral forgivable loan program**

The purpose of the SAE Doctoral Scholars Program, now in its 16th year, is to provide funding to assist and encourage promising engineering graduate students to pursue careers in teaching at the college level. The program is designed to help alleviate the increasing shortage of engineering college faculty by

attracting qualified citizens of North America (United States, Canada, and Mexico) who are interested in pursuing teaching careers, through the promise of financial assistance during their doctoral study program.

ME/EE/CS

<http://students.sae.org/awdscholar/loans/doctoral/>

### **Smart fellowships**

The SMART Program aims to increase the number of scientists and engineers in the DoD. The program is particularly interested in supporting individuals that demonstrate an aptitude and interest in conducting theoretical and applied research. As such, the program primarily targets "hand-on-the-bench" researchers and engineers. Individuals applying to the program should have a strong interest in working for the DoD as a civilian research scientist or engineer.

ME/EE/CS

<http://smart.asee.org/>

### **Society of Woman Engineers**

The Society of Women Engineers strives to advance and honor the contributions of women at all stages of their careers as well as recognize the successes of SWE members and individuals who enhance the engineering profession through contributions to industry, education and the community.

ME/EE/CS – Female

[http://societyofwomenengineers.swe.org/index.php/awards/individual-awards#activePanels\\_](http://societyofwomenengineers.swe.org/index.php/awards/individual-awards#activePanels_)

### **EERE Postdoctoral Research**

The objective of the EERE Postdoctoral Research Awards is to create the next generation of scientific leaders in energy efficiency and renewable energy by attracting the best scientists and engineers to pursue breakthrough technologies in a highly prestigious postdoctoral research program. To meet this objective, EERE Research Participants will have access to unique education and training opportunities, top scientists in their field, and state-of-the-art projects and equipment. As a result, innovative technologies will be developed that will have a real impact on the economy by providing energy efficient

and affordable technologies; in the environment by providing clean energy technologies; and in the quality of life for all Americans by enhancing their energy choices.

ME/EE

<http://www1.eere.energy.gov/education/postdoctoral/>