

Arizona State University Announces: Science Foundation Arizona Graduate Fellowships in Science and Engineering

Help Us Design the Future

Arizona State University's commitment to research aimed at solving specific societal challenges is being supported by graduate fellowship funding from Science Foundation Arizona.

These graduate fellowships will be awarded to **biologists, chemists, physicists, bioengineers, chemical engineers, electrical engineers, materials engineers, computer scientists, social scientists** and individuals with related degrees interested in addressing one of the following critical needs:



Diagnosis and Prevention of Infectious Disease

As global population density increases, so does the emergence of new pathogens and strains resistant to therapeutic intervention. We must be able to quickly and precisely diagnose infection, then rapidly develop and distribute vaccines.

We are exploring exciting new frontiers in presymptomatic disease detection and vaccine development and production.



Sustainable Energy Systems

One of the greatest challenges of the 21st century will be the move away from dependence on fossil fuels and development of a new, sustainable energy infrastructure.

We have robust programs in solar energy production, photosynthesis, biomass production, energy conversion, fuel/biofuel cells, environmental remediation and environmental monitoring.



The Human/Machine Interface

Living with impaired vision, hearing or motor function presents challenges that impede potential. Science has been slow to leverage the most profound technological development of the last century—creation and networking of computers—for these aspects of human health. Such interfaces applied to new therapies and prosthetics could ultimately revolutionize the quality of life for millions of individuals.

ASU has rapidly developing programs focusing on rehabilitative engineering, neural science, information technology and computing.

The Science Foundation Arizona Graduate Fellowships offer competitive compensation,* including:

- Four year stipends
- Funds for travel, supplies and professional needs
- Full tuition, fees and health insurance coverage

For more information or to apply: <http://www.asu.edu/graduate/sfaz/> or contact Dr. Andrew Webber at (480) 965-5906 or andrew.webber@asu.edu.

**\$25,000 per year plus a \$5,000 supplement for professional development. 1-2 semesters of teaching experience with the remainder devoted to research and curriculum activities.*