

## **Science and Technology**

<b>Federal Agency:</b>	National Science Foundation
<b>Program Title:</b>	Alliances for Graduate Education and the Professoriate
<b>CFDA Number:</b>	47.076 – Education and Human Resources
<b>Closing Date:</b>	July 12, 2012
<b>Link:</b>	<a href="http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf12554">http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf12554</a>
<b>Estimated Grant Awards:</b>	\$6,000,000 total; \$200,000 to \$1,750,000; 12 awards
<b>Description:</b>	Funds to increase the numbers of African Americans, Hispanic Americans, etc. to enter and complete graduate education and postdoctoral training.

<b>Federal Agency:</b>	National Science Foundation
<b>Program Title:</b>	Research and Evaluation on Education in Science and Engineering
<b>CFDA Number:</b>	47.076 – Education and Human Resources
<b>Closing Date:</b>	July 17, 2012
<b>Link:</b>	<a href="http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf12552">http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf12552</a>
<b>Estimated Grant Awards:</b>	\$10,000,000 total; up to \$500,000; 30 awards
<b>Description:</b>	Funds to advance research at the frontiers of STEM learning and education, and to provide the foundational knowledge necessary to improve STEM learning and education.

<b>Federal Agency:</b>	National Science Foundation
<b>Program Title:</b>	Fluid Dynamics
<b>CFDA Number:</b>	47.041 – Engineering Grants
<b>Closing Date:</b>	February 19, 2013
<b>Link:</b>	<a href="http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13365">http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13365</a>
<b>Estimated Grant Awards:</b>	\$9,600,000 total; \$267,000; 43 awards
<b>Description:</b>	Funds fundamental research and education on mechanisms and phenomena governing fluid flow. Proposed research should contribute to basic understanding to improve fluid systems.

<b>Federal Agency:</b>	National Science Foundation
<b>Program Title:</b>	Particulate and Multiphase Processes
<b>CFDA Number:</b>	47.041 – Engineering Grants
<b>Closing Date:</b>	February 19, 2013
<b>Link:</b>	<a href="http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13364">http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13364</a>
<b>Estimated Grant Awards:</b>	\$7,500,000 total; \$300,000 minimum; 25-35 awards
<b>Description:</b>	Funds fundamental and applied research on phenomena governing particulate and multiphase processes, including flows of suspensions of particles, drops or bubbles, etc.

<b>Federal Agency:</b>	National Science Foundation
<b>Program Title:</b>	Environmental Health and Safety of NanoTechnology
<b>CFDA Number:</b>	47.041 – Engineering Grants
<b>Closing Date:</b>	February 19, 2013
<b>Link:</b>	<a href="http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501030">http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501030</a>
<b>Estimated Grant Awards:</b>	\$4,900,000 total; \$300,000 minimum; 53 awards
<b>Description:</b>	Funds support to examine and mitigate the environmental effects of nanotechnologies. Fundamental research is sought to understand and lessen the impact of nanotechnology.

<b>Federal Agency:</b>	National Science Foundation
<b>Program Title:</b>	Environmental Engineering
<b>CFDA Number:</b>	47.041 – Engineering Grants
<b>Closing Date:</b>	February 19, 2013
<b>Link:</b>	<a href="http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501029">http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501029</a>
<b>Estimated Grant Awards:</b>	\$9,400,000 total; \$300,000 minimum; 44 awards
<b>Description:</b>	Funds fundamental research and educational activities across the broad field of environmental engineering in order to encourage research applying to energy conservation.

<b>Federal Agency:</b>	National Science Foundation
<b>Program Title:</b>	Environmental Sustainability
<b>CFDA Number:</b>	47.041 – Engineering Grants
<b>Closing Date:</b>	February 19, 2013
<b>Link:</b>	<a href="http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501027">http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501027</a>
<b>Estimated Grant Awards:</b>	\$5,400,000 total; \$300,000 minimum; 45 awards
<b>Description:</b>	Funds engineering research with the goal of promoting sustainable engineered systems that support human well-being and that are also compatible with sustaining natural systems.

<b>Federal Agency:</b>	National Science Foundation
<b>Program Title:</b>	Combustion, Fire, and Plasma Systems
<b>CFDA Number:</b>	47.041 – Engineering Grants
<b>Closing Date:</b>	February 19, 2013
<b>Link:</b>	<a href="http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13366">http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13366</a>
<b>Estimated Grant Awards:</b>	\$5,100,000 total; \$270,000 minimum; 28 awards
<b>Description:</b>	Funds fundamental research and education relevant to having a cleaner global and local environment, enhancing public safety, and improving energy and homeland security.

<b>Federal Agency:</b>	National Science Foundation
<b>Program Title:</b>	Thermal Transport Processes
<b>CFDA Number:</b>	47.041 – Engineering Grants
<b>Closing Date:</b>	February 19, 2013
<b>Link:</b>	<a href="http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13367">http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13367</a>
<b>Estimated Grant Awards:</b>	\$10,100,000 total; \$270,000 minimum; 32 awards
<b>Description:</b>	Funds engineering research aimed at gaining a basic understanding of the thermal transport phenomena at nano/micro and macro scales in cooling and heating of equipment/devices.

