NSF Upcoming Due Dates have been provided below for informational purposes.

**ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers (ADVANCE)**

**Letter of Intent Deadline Date:** October 5, 2015  
**Institutional Transformation Catalyst (IT Catalyst)**  

**Program Guidelines:** NSF 14-573

The goals of the ADVANCE program are (1) to develop systemic approaches to increase the representation and advancement of women in academic STEM careers; (2) to develop innovative and sustainable ways to promote gender equity in the STEM academic workforce; and (3) to contribute to the development of a more diverse science and engineering workforce. ADVANCE also has as its goal to contribute to and inform the general knowledge base on gender equity in the academic STEM disciplines. There are ...

[Click here for more information](#)

**Improving Undergraduate STEM Education: Pathways into Geoscience (IUSE: GEOPATHS)**

**Full Proposal Deadline Date:** October 5, 2015  
**Full Proposal Submission Deadline**

**Program Guidelines:** NSF 15-526

A well-prepared, innovative science, technology, engineering and mathematics (STEM) workforce is crucial to the Nation's health and economy. Indeed, recent policy actions and reports have drawn attention to the opportunities and challenges inherent in increasing the number of highly qualified STEM graduates, including STEM teachers. Priorities include educating students to be leaders and innovators in emerging and rapidly changing STEM fields as well as educating a scientifically literate ...

[Click here for more information](#)
Analysis

Full Proposal Target Date: October 6, 2015

Program Guidelines: PD 10-1281

The Analysis Program supports basic research in that area of mathematics whose roots can be traced to the calculus of Newton and Leibniz. Given its centuries-old ties to physics, analysis has influenced developments from Newton’s mechanics to quantum mechanics and from Fourier’s study of heat conduction to Maxwell’s equations of electromagnetism to Witten’s theory of supersymmetry. More generally, research supported by Analysis provides the theoretical ...

Click here for more information

Combinatorics

Full Proposal Target Date: October 6, 2015

Program Guidelines: PD 10-7970

The Combinatorics program supports research on discrete structures and includes algebraic, enumerative, existential, extremal, geometric, and probabilistic combinatorics, including graph theory. Conferences

Principal Investigators should carefully read the program solicitation "Conferences and Workshops in the Mathematical Sciences" (link below) to obtain important information regarding the substance of proposals for conferences, workshops, ...

Click here for more information
Foundations

Full Proposal Target Date: October 6, 2015

Program Guidelines: PD 10-1268

The program in Foundations supports research in mathematical logic and the foundations of mathematics, including proof theory, recursion theory, model theory, set theory, and infinitary combinatorics.

Conferences
Principal Investigators should carefully read the program solicitation "Conferences and Workshops in the Mathematical Sciences" (link below) to obtain important information regarding the substance of proposals for conferences, workshops, ...

Click here for more information

Historically Black Colleges and Universities Undergraduate Program (HBCU-UP)

Full Proposal Deadline Date: October 7, 2015
Research Initiation Awards

Program Guidelines: NSF 15-552

Historically Black Colleges and Universities (HBCUs) have awarded a large share of bachelor's degrees to African American students in science, technology, engineering and mathematics (STEM), and nine of the top ten baccalaureate institutions of African American STEM doctorate recipients from 2008-2012 are HBCUs.[1] In 2012, 8.5% of black undergraduates attended HBCUs.[2] In contrast, HBCUs awarded 16.7% of the bachelor's degrees and 17.8% of the ...

Click here for more information
Management and Operation of the IceCube Neutrino Observatory (ICNO)

Full Proposal Deadline Date: October 7, 2015

Program Guidelines: NSF 15-587

The IceCube Neutrino Observatory (ICNO) is a national facility that enables a wide array of internationally collaborative scientific research in ground based neutrino astrophysics. The physical infrastructure of the ICNO consists of: (1) a fixed array of sensors deep in the ice beneath the South Pole (the main IceCube detector), (2) a surface array of sensors (IceTop), (3) a data acquisition system and associated computing and communications systems at South Pole Station that facilitate ...

[Click here for more information]

Advanced Technological Education (ATE)

Full Proposal Deadline Date: October 8, 2015

Program Guidelines: NSF 14-577

With an emphasis on two-year colleges, the Advanced Technological Education (ATE) program focuses on the education of technicians for the high-technology fields that drive our nation's economy. The program involves partnerships between academic institutions and industry to promote improvement in the education of science and engineering technicians at the undergraduate and secondary school levels. The ATE program supports curriculum development; professional development of college faculty and ...

[Click here for more information]
Doctoral Dissertation Improvement Grants in the Directorate for Biological Sciences (DDIG)

Full Proposal Deadline Date: October 8, 2015

Program Guidelines: NSF 13-568

The National Science Foundation awards Doctoral Dissertation Improvement Grants in selected areas of the biological sciences. Proposals must fall within the scope of any of the clusters in the Division of Environmental Biology (DEB) or the Behavioral Systems Cluster in the Division of Integrative Organismal Systems (IOS). These grants provide partial support of doctoral dissertation research for improvement beyond the already existing project. Allowed are costs for doctoral candidates to ... 

Click here for more information

Advancing Digitization of Biodiversity Collections (ADBC)

Full Proposal Deadline Date: October 9, 2015

Program Guidelines: NSF 15-576

This program seeks to enhance and expand the national resource of digital data documenting existing vouchered biological and paleontological collections and to advance scientific knowledge by improving access to digitized information (including images) residing in vouchered scientific collections across the United States. The information associated with various collections of ... 

Click here for more information
Algebra and Number Theory

Full Proposal Target Date: October 9, 2015
Second Friday of October

Program Guidelines: PD 10-1264

The Algebra and Number Theory program supports research in algebra, algebraic and arithmetic geometry, number theory, and representation theory.

Conferences
Principal Investigators should carefully read the program solicitation "Conferences and Workshops in the Mathematical Sciences" (link below) to obtain important information regarding the substance of proposals for conferences, workshops, summer/winter schools, and similar activities.
...

Click here for more information

Partnerships for Innovation: Accelerating Innovation Research- Technology Translation (PFI: AIR-TT)

Full Proposal Deadline Date: October 9, 2015

Program Guidelines: NSF 15-570

The NSF Partnerships for Innovation (PFI) program within the Division of Industrial Innovation and Partnerships (IIP) is an umbrella for two complementary subprograms, Accelerating Innovation Research (AIR) and Building Innovation Capacity (BIC). Overall, the PFI program offers opportunities to connect new knowledge to societal benefit through translational research efforts and/or partnerships that encourage, enhance and accelerate innovation and entrepreneurship. The subject of this ...

Click here for more information
Smart and Connected Health (SCH)

Full Proposal Deadline Date: October 13, 2015
Exploratory (EXP) Proposals

Program Guidelines: NSF 13-543

The goal of the Smart and Connected Health (SCH) Program is to accelerate the development and use of innovative approaches that would support the much needed transformation of healthcare from reactive and hospital-centered to preventive, proactive, evidence-based, person-centered and focused on well-being rather than disease. Approaches that partner technology-based solutions with biobehavioral health research are supported by multiple agencies of the federal government including the ...

Click here for more information

Historically Black Colleges and Universities Undergraduate Program (HBCU-UP)

Letter of Intent Deadline Date: October 14, 2015

Targeted Infusion Projects, Broadening Participation Research Projects, Implementation Projects, ACE Implementation Projects

Program Guidelines: NSF 15-552

Historically Black Colleges and Universities (HBCUs) have awarded a large share of bachelor's degrees to African American students in science, technology, engineering and mathematics (STEM), and nine of the top ten baccalaureate institutions of African American STEM doctorate recipients from 2008-2012 are HBCUs.[1] In 2012, 8.5% of black undergraduates attended HBCUs.[2] In contrast, HBCUs awarded 16.7% of the bachelor's degrees and 17.8% of the ...

Click here for more information
NSF Astronomy and Astrophysics Postdoctoral Fellowships (AAPF)

Full Proposal Deadline Date: October 14, 2015

Program Guidelines: NSF 11-559

NSF Astronomy and Astrophysics Postdoctoral Fellowships provide an opportunity for highly qualified, recent doctoral scientists to carry out an integrated program of independent research and education. Fellows may engage in observational, instrumental, theoretical, laboratory or archival data research in any area of astronomy or astrophysics, in combination with a coherent educational plan for the duration of the fellowship. The program supports researchers for a period of up to three years ... 

Click here for more information

Geospace Environment Modeling (GEM)

Full Proposal Deadline Date: October 15, 2015

Program Guidelines: NSF 10-510

GEM is a broad-based, community-initiated research program on the physics of the Earth’s magnetosphere and the coupling of the magnetosphere to the atmosphere and to the solar wind. The purpose of the GEM program is to support basic research into the dynamical and structural properties of geospace, leading to the construction of a global Geospace General Circulation Model (GGCM) with predictive capability. The exact structure of a GGCM may be modular or may consist of a ...

Click here for more information
SOCIOLOGY PROGRAM - Doctoral Dissertation Research Improvement Awards (Soc-DDRI)

Full Proposal Target Date: October 15, 2015
DDRI Full Proposal

Program Guidelines: NSF 14-604

The Sociology Program supports basic research on all forms of human social organization -- societies, institutions, groups and demography - and processes of individual and institutional change. The Program encourages theoretically focused empirical investigations aimed at improving the explanation of fundamental social processes. Included is research on organizations and organizational behavior, population dynamics, social movements, social groups, labor force participation, stratification ...

Click here for more information

Natural Hazards Engineering Research Infrastructure (NHERI)

Letter of Intent Deadline Date: October 16, 2015

Program Guidelines: NSF 15-598

The planned outcome of this solicitation is to establish the final three awards for the NSF-supported Natural Hazards Engineering Research Infrastructure (NHERI) - Network Coordination Office (NCO), Computational Modeling and Simulation Center (SimCenter), and PostDisaster, Rapid Response Research (RAPID) Facility. The NCO, SimCenter, and RAPID Facility components for NHERI were originally competed under program solicitation NSF 14-605, Natural Hazards Engineering Research Infrastructure ...

Click here for more information
Arctic Research Opportunities

Full Proposal Deadline Date: October 19, 2015

Program Guidelines: NSF 14-584

The National Science Foundation (NSF) invites investigators at U.S. organizations to submit proposals to conduct research about the Arctic. Arctic research includes field and modeling studies, data analysis, and synthesis about the arctic region. The goal of the NSF Section for Arctic Sciences, Division of Polar Programs (PLR), is to gain a better understanding of the Arctic's physical, biological, geological, chemical, social and cultural processes; the interactions of oceanic, ...

Click here for more information

Biomedical Engineering (BME)

Full Proposal Window: October 20, 2015

Program Guidelines: PD 15-5345

The goal of the Biomedical Engineering (BME) program is to provide opportunities to develop novel ideas into discovery-level and transformative projects that integrate engineering and life sciences in solving biomedical problems that serve humanity in the long-term. BME projects must be at the interface of engineering and life sciences, and advance both engineering and life sciences. The projects should focus on high impact transformative methods and technologies. Projects ...

Click here for more information
Biophotonics

Full Proposal Window: October 20, 2015

Program Guidelines: PD 15-7236

The goal of the Biophotonics program is to explore the research frontiers in photonics principles, engineering and technology that are relevant for critical problems in fields of medicine, biology and biotechnology. Fundamental engineering research and innovation in photonics is required to lay the foundations for new technologies beyond those that are mature and ready for application in medical diagnostics and therapies. Advances are needed in ...

Biotechnology and Biochemical Engineering

Full Proposal Window: October 20, 2015

Program Guidelines: PD 15-1491

The Biotechnology and Biochemical Engineering (BBE) program supports fundamental engineering research that advances the understanding of cellular and biomolecular processes in engineering biology and eventually leads to the development of enabling technology for advanced manufacturing and/or applications in support of the biopharmaceutical, biotechnology, and bioenergy industries, or with applications in health or the environment. A quantitative ...

Catalysis and Biocatalysis

Full Proposal Window: October 20, 2015

Program Guidelines: PD 15-1401

The goal of the Catalysis and Biocatalysis program is to advance research in catalytic engineering science and promote the development of catalytic materials and reactions that are of benefit to society. Research in this program should focus on new basic understanding of catalytic materials and reactions, utilizing synthetic, theoretical, and experimental approaches. Target applications include fuels, specialty and bulk chemicals, environmental ...

Click here for more information
Chemical and Biological Separations

Full Proposal Window: October 20, 2015

Program Guidelines: PD 15-1417

The goal of the Chemical and Biological Separations (CBS) program is to generate novel methods and materials for separation processes. These processes are central to the chemical, biochemical, materials, energy, and pharmaceutical industries. A fundamental understanding of the interfacial, transport, and thermodynamic behavior of multiphase chemical systems as well as quantitative descriptions of processing characteristics in the process-oriented ...

Click here for more information

Combustion and Fire Systems

Full Proposal Window: October 20, 2015

Program Guidelines: PD 15-1407

The goal of the Combustion and Fire Systems program is to generate cleaner global and local environments, enhance public safety, improve energy and homeland security, manufacture new materials, and enable more energy-efficient manufacturing. The program endeavors to create basic engineering knowledge and solutions that are needed to develop useful combustion applications (such as flame-assisted synthesis of novel materials) and for mitigating the ...

Click here for more information
Energy for Sustainability

Full Proposal Window: October 20, 2015

Program Guidelines: PD 15-7644

The goal of the Energy for Sustainability program is to support fundamental engineering research that will enable innovative processes for the sustainable production of electricity and fuels. Processes for sustainable energy production must be environmentally benign, reduce greenhouse gas production, and utilize renewable resources. Current topics of interest include:

• Biomass Conversion, Biofuels & Bioenergy: Fundamental ...

Click here for more information

Environmental Engineering

Full Proposal Window: October 20, 2015

Program Guidelines: PD 15-1440

The goal of the Environmental Engineering program is to encourage transformative research which applies scientific and engineering principles to avoid or minimize solid, liquid, and gaseous discharges, resulting from human activities on land, inland and coastal waters, and air, while promoting resource and energy conservation and recovery. The program also fosters cutting-edge scientific research for identifying, evaluating, and monitoring the waste assimilative ...

Environmental Sustainability

Full Proposal Window: October 20, 2015

Program Guidelines: PD 15-7643

The goal of the Environmental Sustainability program is to promote sustainable engineered systems that support human well-being and that are also compatible with sustaining natural (environmental) systems. These systems provide ecological services vital for human survival. Research efforts supported by the program typically consider long time horizons and may incorporate contributions from the social sciences ...

Click here for more information
Fluid Dynamics

Full Proposal Window: October 20, 2015

Program Guidelines: PD 15-1443

The Fluid Dynamics program supports fundamental engineering research on mechanisms and phenomena governing fluid flow from the molecular to the macroscopic scale. Proposed research should contribute to basic understanding of fluid flow phenomena, thus enabling the better design, predictability, efficiency, and control of systems that involve fluids. Areas of emphasis are proposals that address the behavior of new fluid materials and innovative uses of...

Click here for more information

General & Age-Related Disabilities Engineering (GARDE)

Full Proposal Window: October 20, 2015

Program Guidelines: PD 15-5342

The General & Age Related Disabilities Engineering (GARDE) program supports fundamental engineering research that will lead to the development of new technologies, devices, or software that improve the quality of life of persons with disabilities. Research may be supported that is directed toward the characterization, restoration, and/or substitution of human functional ability or cognition, or to the interaction of persons with...

Click here for more information
Nano-Bio Phenomena and Processes in the Environment

Full Proposal Window: October 20, 2015

Program Guidelines: PD 15-1179

The goal of the Nano-Bio Phenomena and Processes in the Environment (NPPE) program is to support research to further fundamental and quantitative understanding of the interactions of biological and ecological media with nanostructured materials and nanosystems, which include one- to three-dimensional nanostructured materials and heterogeneous nano-bio hybrid assemblies. Such nanostructured materials and systems frequently exhibit novel physical, chemical and biological ...

Click here for more information

Nano-Biosensing

Full Proposal Window: October 20, 2015

Program Guidelines: PD 15-7909

The Nano-Biosensing program supports fundamental engineering research on devices and methods for measurement and quantification of biological analytes. Proposals that incorporate emerging nanotechnology methods are especially encouraged. Areas of interest include:

⦁ Proposals on multi-purpose sensor platforms that exceed the performance of current state-of-the-art measurement methods.
⦁ Projects on novel transduction mechanisms and sensor ...

Click here for more information
Particulate and Multiphase Processes

Full Proposal Window: October 20, 2015

Program Guidelines: PD 15-1415

The goal of the **Particulate and Multiphase Processes (PMP)** program is to support fundamental research on physico-chemical phenomena that govern particulate and multiphase systems, including flow of suspensions, drops and bubbles, granular and granular-fluid flows, behavior of micro- and nanostructured fluids, and self-assembly/directed-assembly processes that involve particulates. The program encourages transformative research to improve our basic...

[Click here for more information](#)

Process Systems, Reaction Engineering and Molecular Thermodynamics

Full Proposal Window: October 20, 2015

Program Guidelines: PD 15-1403

The goal of the **Process Systems, Reaction Engineering and Molecular Thermodynamics (PRM)** program is to advance fundamental engineering research on the rates and mechanisms of important classes of catalyzed and uncatalyzed chemical reactions as they relate to the design, production, and application of catalysts, chemical processes, biochemical processes, and specialized materials that have important impacts on society. The program seeks to advance electrochemical and ...

[Click here for more information](#)
Thermal Transport Processes

Full Proposal Window: October 20, 2015

Program Guidelines: PD 15-1406

The Thermal Transport Processes (TTP) program supports engineering research aimed at gaining a basic understanding of the thermal transport phenomena and processes that are driven by thermal gradients, and manipulation of these processes to achieve engineering goals. Of specific interest is research that explores active and passive control of the dynamics of thermal processes, and simulations and experiments that bridge and model information across multiple scales. ...

Click here for more information

Mathematical Sciences Postdoctoral Research Fellowships (MSPRF)

Full Proposal Deadline Date: October 21, 2015

Program Guidelines: NSF 14-582

The purpose of the Mathematical Sciences Postdoctoral Research Fellowships (MSPRF) is to support future leaders in mathematics and statistics by facilitating their participation in postdoctoral research environments that will have maximal impact on their future scientific development. There are two options for awardees: Research Fellowship and Research Instructorship. Awards will support research in areas of mathematics and statistics, including applications to other disciplines.

Click here for more information

Gen-3 Engineering Research Centers (ERC)

Preliminary Proposal Deadline Date: October 23, 2015

Program Guidelines: NSF 15-589

The goal of the ERC Program is to integrate engineering research and education with technological innovation to transform national prosperity, health, and security. ERCs create an innovative, inclusive culture in engineering to cultivate new ideas and pursue engineering discovery that achieves a significant science, technology, and ...

Click here for more information
Graduate Research Fellowship Program (GRFP)

Full Proposal Deadline Date: October 26, 2015
Geosciences; Life Sciences

Program Guidelines: NSF 15-597

The purpose of the NSF Graduate Research Fellowship Program (GRFP) is to help ensure the vitality and diversity of the scientific and engineering workforce of the United States. The program recognizes and supports ...

Click here for more information

SBE Postdoctoral Research Fellowships (SPRF)

Full Proposal Deadline Date: October 26, 2015

Program Guidelines: NSF 14-595

The Directorate for Social, Behavioral and Economic Sciences (SBE) offers Postdoctoral Research Fellowships in two tracks: (i) Broadening Participation (SPRF-BP), and (ii) Interdisciplinary Research in Behavioral and Social Sciences (SPRF-IBSS). See the full text of the solicitation for detailed description of these tracks.

Click here for more information

Graduate Research Fellowship Program (GRFP)

Full Proposal Deadline Date: October 27, 2015
Computer and Information Science and Engineering; Engineering; Materials Research

Program Guidelines: NSF 15-597

The purpose of the NSF Graduate Research Fellowship Program (GRFP) is to help ensure the vitality and diversity of the scientific and engineering workforce of the United States. The program recognizes and supports ...

Click here for more information
Atomic, Molecular and Optical Physics - Experiment

Full Proposal Deadline Date: October 28, 2015

Program Guidelines: PD 14-1241

The Atomic, Molecular, and Optical Experimental Physics program (AMO-E) supports research that can be categorized by four broad, sometimes overlapping, sub-areas of the discipline: (1) Precision Measurements, (2) Ultracold Atoms and Molecules, (3) Optical Physics (including the ultrafast regime), and (4) Atomic and Molecular Spectroscopy or Collisions. Ions are included as a subset of Atoms and Molecules. The focus of research in the AMO-E program is on the fundamental quantitative ...

Click here for more information

Atomic, Molecular and Optical Physics - Theory

Full Proposal Deadline Date: October 28, 2015
Deadline Date

Program Guidelines: PD 11-1284

The Theoretical Atomic, Molecular, and Optical Physics (TAMOP) program supports theoretical and computational research in all areas of atomic structure, the molecular structure of small molecules, electron, and atomic collisions, photoionization and photodetachment of electrons from atoms and small molecules, time-dependent interactions with atoms and small molecules, quantum optics, ultracold phenomena in Bose and Fermi gases, and quantum information. Investigations primarily directed ...

Click here for more information
The Division of Physics (PHY) supports physics research and education in the nation’s colleges and universities across a broad range of physics disciplines that span scales of space and time from the largest to the smallest and the oldest to the youngest. The Division is comprised of disciplinary programs covering experimental and theoretical research in the following major subfields of physics: Accelerator Science; Atomic, Molecular and Optical Physics; Computational ...
**Elementary Particle Physics - Experiment (EPP)**

Full Proposal Deadline Date: October 28, 2015

Program Guidelines: PD 14-1221

Particle physics plays an essential role in the broader enterprise of the physical sciences. It inspires U.S. students, attracts talent from around the world, and drives critical intellectual and technological advances in other fields. And the field is entering an era of unprecedented potential as a result of new discoveries about matter and energy in the Universe. The Particle Physics program seeks to explore the fundamental nature of matter, energy, space, and time. It ... [Click here for more information]

**Gravitational Physics - Experiment**

Full Proposal Deadline Date: October 28, 2015

Program Guidelines: PD 14-1243

The Gravitational Physics program supports research at the frontiers of science aimed towards answering questions about the nature of space and time, the gravitational attraction at atomically small and cosmological large distances and the use of gravitational waves to explore the universe. The Experimental Gravitational Physics program supports research that includes tests on the inverse distance square law of gravitational attraction, Lorentz invariance and Equivalence Principle as ...

[Click here for more information]

**Gravitational Physics - Theory**

Full Proposal Target Date: October 28, 2015
Target from PHY DCL

Program Guidelines: PD 12-1244

The Gravitational Physics program supports research at the frontiers of science aimed towards answering questions about the nature of space and time, the gravitational attraction at atomically small and cosmological large distances and the use of gravitational waves to explore the universe. The Theoretical Gravitational Physics program supports research on classical and quantum gravity theory, including gravitational wave ...

[Click here for more information]
Integrative Activities in Physics

Full Proposal Deadline Date: October 28, 2015

Program Guidelines: NSF 14-576

Supports activities in conjunction with NSF-wide programs such as Faculty Early Career Development (CAREER), Research Experiences for Undergraduates (REU), and programs aimed at women, minorities, and persons with disabilities. Further information about all of these programs and activities is available in the Crosscutting Investment Strategies section of the NSF Guide to Programs.

The program also supports activities that seek to improve the education and training of physics ...

Click here for more information

LIGO Research Support

Full Proposal Target Date: October 28, 2015
PHY Target Date

Program Guidelines: PD 13-1252

The Gravitational Physics program supports research at the frontiers of science aimed towards answering questions about the nature of space and time, the gravitational attraction at atomically small and cosmological large distances and the use of gravitational waves to explore the universe.

The LIGO Research Support program oversees the commissioning and operation of the Laser Interferometer Gravity Wave Observatory (LIGO), and provides support for LIGO users and other experimental ...

Click here for more information
Particle Astrophysics - Experiment

Full Proposal Deadline Date: October 28, 2015

Program Guidelines: PD 14-1643

Particle Physics seeks to explore the fundamental nature of matter, energy, space, and time. It asks such questions as: What are the origins of mass? Can the basic forces of nature be unified? How did the universe begin? How will it evolve in the future? What are dark matter and dark energy? Are there extra dimensions of space-time? Formerly separate questions in cosmology (the universe on the ...

Click here for more information

Physics of Living Systems (PoLS)

Full Proposal Deadline Date: October 28, 2015

Program Guidelines: PD 14-7246

The program "Physics of Living Systems" (PoLS) targets synergy of theoretical and experimental research exploring the most fundamental physical processes that living systems utilize to perform their functions in dynamic and diverse environments. The focus of the research proposals should be on understanding basic physical principles that underlie biological function. Proposals that use physics equipment only as a tool to study biological questions are of VERY low ...

Click here for more information
Collaborative Research in Computational Neuroscience (CRCNS)

Full Proposal Deadline Date: October 29, 2015

Program Guidelines: NSF 15-595

Computational neuroscience provides a theoretical foundation and a rich set of technical approaches for understanding complex neurobiological systems, building on the theory, methods, and findings of computer science, neuroscience, and numerous other disciplines. Through the CRCNS program, the National Science Foundation (NSF), the National Institutes of Health (NIH), the German Federal Ministry of Education and Research (Bundesministerium für Bildung und Forschung, BMBF), the ...

Click here for more information

Graduate Research Fellowship Program (GRFP)

Full Proposal Deadline Date: October 29, 2015
Psychology; Social Sciences; STEM Education and Learning

Program Guidelines: NSF 15-597

The purpose of the NSF Graduate Research Fellowship Program (GRFP) is to help ensure the vitality and diversity of the scientific and engineering workforce of the United States. The program recognizes and supports ...

Click here for more information

Research in the Formation of Engineers (RFE)

Full Proposal Deadline Date: October 29, 2015
Full proposal submission deadline. Next deadline in February.

Program Guidelines: PD 15-1340

The NSF Engineering (ENG) Directorate has launched a multi-year initiative, the Professional Formation of Engineers, to create and support an innovative and inclusive engineering profession for the ...

Click here for more information
Graduate Research Fellowship Program (GRFP)

Full Proposal Deadline Date: October 30, 2015
Chemistry; Mathematical Sciences; Physics and Astronomy

Program Guidelines: NSF 15-597

The purpose of the NSF Graduate Research Fellowship Program (GRFP) is to help ensure the vitality and diversity of the scientific and engineering workforce of the United States. The program recognizes and supports ...

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Communications, Circuits, and Sensing-Systems (CCSS)

Full Proposal Window: November 2, 2015

Program Guidelines: PD 13-7564

The Communications, Circuits, and Sensing-Systems (CCSS) Program is intended to spur visionary systems-oriented activities in collaborative, multidisciplinary, and integrative research. CCSS supports systems research in hardware, signal processing techniques, and architectures to enable the next generation of cyber-physical systems (CPS) that leverage computation, communication, and algorithms integrated with physical domains. CCSS supports innovative research and integrated ...

Click here for more information
Computational and Data-Enabled Science and Engineering (CDS&E)

Full Proposal Window: November 2, 2015
All proposals to the Division of Materials Research

Program Guidelines: PD 12-8084

Advanced computational infrastructure and the ability to perform largescale simulations and accumulate massive amounts of data have revolutionized scientific and engineering disciplines. The goal of the CDS&E program is to identify and capitalize on opportunities for major scientific and engineering breakthroughs through new computational and data analysis approaches. The intellectual drivers may be in an individual discipline or they may cut across more than one discipline ...

Click here for more information

Computational and Data-Enabled Science and Engineering (CDS&E)

Full Proposal Window: November 2, 2015
All proposals to the Division of Advanced Cyberinfrastructure

Program Guidelines: PD 12-8084

Advanced computational infrastructure and the ability to perform largescale simulations and accumulate massive amounts of data have revolutionized scientific and engineering disciplines. The goal of the CDS&E program is to identify and capitalize on opportunities for major scientific and engineering breakthroughs through new computational and data analysis approaches. The intellectual drivers may be in an individual discipline or they may cut across more than one discipline ...

Click here for more information
Computational and Data-Enabled Science and Engineering (CDS&E)

Full Proposal Window: November 2, 2015
All proposals to the Division of Chemistry - Chemical Measurement and Imaging

Program Guidelines: PD 12-8084

Advanced computational infrastructure and the ability to perform largescale simulations and accumulate massive amounts of data have revolutionized scientific and engineering disciplines. The goal of the CDS&E program is to identify and capitalize on opportunities for major scientific and engineering breakthroughs through new computational and data analysis approaches. The intellectual drivers may be in an individual discipline or they may cut across more than one discipline ...

Click here for more information

Computational and Data-Enabled Science and Engineering (CDS&E)

Full Proposal Deadline Date: November 2, 2015
All proposals to the Division of Astronomical Sciences - Advanced Technologies and Instrumentation

Program Guidelines: PD 12-8084

Advanced computational infrastructure and the ability to perform largescale simulations and accumulate massive amounts of data have revolutionized scientific and engineering disciplines. The goal of the CDS&E program is to identify and capitalize on opportunities for major scientific and engineering breakthroughs through new computational and data analysis approaches. The intellectual drivers may be in an individual discipline or they may cut across more than one discipline ...

Click here for more information
Electronics, Photonics, and Magnetic Devices (EPMD)

Full Proposal Window: November 2, 2015

Program Guidelines: PD 13-1517

The Electronics, Photonics, and Magnetic Devices (EPMD) Program seeks to improve the fundamental understanding of devices and components based on the principles of micro-and nano-electronics, optics and photonics, optoelectronics, magnetics, electromechanics, electromagnetics, and related physical phenomena. The program enables discovery and innovation advancing the frontiers of nanoelectronics, spin electronics, molecular and organic electronics, bioelectronics, ...

Click here for more information
Energy, Power, Control and Networks (EPCN)

Full Proposal Window: November 2, 2015

Program Guidelines: PD 13-7607

Recent advances in communications, computation, and sensing technologies offer unprecedented opportunities for the design of cyberphysical systems with increased responsiveness, interconnectivity and automation. To meet new challenges and societal needs, the Energy, Power, Control and Networks (EPCN) Program invests in systems and control methods for analysis and design of cyber-physical systems to ensure stability, performance, robustness, and security.

Topics of ...

Click here for more information

Environmental Chemical Sciences (ECS)

Full Proposal Window: November 2, 2015

Program Guidelines: PD 09-6882

Note: For proposals with significant emphasis on sustainable chemistry, consider making proposal submissions to this program with the Proposal Title as: ‘SusChEM: Name of Your Proposal’. For more information, see the DCL on SusChEM (http://www.nsf.gov/pubs/2013/nsf13013/nsf13013.pdf), a new NSF Emphasis Area.

Note: For proposals with significant emphasis on ...

Click here for more information
Macromolecular, Supramolecular and Nanochemistry (MSN)

Full Proposal Window: November 2, 2015

Program Guidelines: PD 09-6885

Note: For proposals with significant emphasis on sustainable chemistry, consider making proposal submissions to this program with the Proposal Title as: ‘SusChEM: Name of Your Proposal’. For more information, see the DCL on SusChEM (http://www.nsf.gov/pubs/2013/nsf13013/nsf13013.pdf), a new NSF Emphasis Area.

Click here for more information

Research Experiences for Teachers (RET) in Engineering and Computer Science

Full Proposal Deadline Date: November 2, 2015

Program Guidelines: NSF 15-536

Synopsis of Program:
The Directorate for Engineering (ENG) and the Directorate for Computer and Information Science and Engineering (CISE), have joined to support the Research Experiences for Teachers (RET) in Engineering and Computer Science program. This program supports active long-term collaborative partnerships between K-12 Science, Technology, Engineering, Computer and Information Science, and Mathematics (STEM) teachers and community college and university ...

Click here for more information
ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers (ADVANCE)

Full Proposal Deadline Date: November 3, 2015
Institutional Transformation Catalyst (IT Catalyst)

Program Guidelines: NSF 14-573

The goals of the ADVANCE program are (1) to develop systemic approaches to increase the representation and advancement of women in academic STEM careers; (2) to develop innovative and sustainable ways to promote gender equity in the STEM academic workforce; and (3) to contribute to the development of a more diverse science and engineering workforce. ADVANCE also has as its goal to contribute to and inform the general knowledge base on gender equity in the academic STEM disciplines. There are ...

Click here for more information

Geometric Analysis

Full Proposal Target Date: November 3, 2015

Program Guidelines: PD 10-1265

The program in Geometric Analysis supports research on differential geometry and its relation to partial differential equations and variational principles; aspects of global analysis, including the differential geometry of complex manifolds and geometric Lie group theory; geometric methods in modern mathematical physics; and geometry of convex sets, integral geometry, and related geometric topics. 

Conferences

Principal Investigators should carefully read the ...

Click here for more information
Improving Undergraduate STEM Education:
Education and Human Resources (IUSE: EHR)

Full Proposal Deadline Date: November 3, 2015
Exploration and Design Tier for Engaged Student Learning & Institution and Community Transformation

Program Guidelines: NSF 15-585

A well-prepared, innovative science, technology, engineering and mathematics (STEM) workforce is crucial to the Nation's health and economy. Indeed, recent policy actions and reports have drawn attention to the opportunities and challenges inherent in increasing the number of highly qualified STEM graduates, including STEM teachers. Priorities include educating students to be leaders and innovators in emerging and rapidly changing STEM fields as well as educating a scientifically literate ...

Click here for more information

Postdoctoral Research Fellowships in Biology
(PRFB)

Full Proposal Deadline Date: November 3, 2015

Program Guidelines: NSF 15-501

The Directorate for Biological Sciences (BIO) awards Postdoctoral Research Fellowships in Biology to recent recipients of the doctoral degree for research and training in selected areas supported by BIO and with special goals for human resource development in biology. The fellowships encourage independence at an early stage of the research career to permit Fellows to pursue their research and training goals in the most appropriate research locations regardless of the availability ...

Click here for more information
Topology

Full Proposal Target Date: November 3, 2015

Program Guidelines: PD 10-1267

Supports research on algebraic topology, including homotopy theory, ordinary and extraordinary homology and cohomology, cobordism theory, and K-theory; topological manifolds and cell complexes, fiberings, knots, and links; differential topology and actions of groups of transformations; geometric group theory; and general topology and continua theory.

Conferences
Principal Investigators should carefully read the program solicitation “Conferences and ...

Click here for more information

Advancing Informal STEM Learning (AISL)

Full Proposal Deadline Date: November 4, 2015

Program Guidelines: NSF 15-593

The Advancing Informal STEM Learning (AISL) program seeks to advance new approaches to and evidence-based understanding of the design and development of STEM learning opportunities for the public in informal environments; provide multiple pathways for broadening access to and engagement in STEM ...

Click here for more information
Louis Stokes Alliances for Minority Participation (LSAMP)

Full Proposal Deadline Date: November 4, 2015
Bridge to the Doctorate; Pre-Alliance Planning Grants

Program Guidelines: NSF 15-594

**Louis Stokes Alliances for Minority Participation (LSAMP)** program assists universities and colleges in their efforts to significantly increase the numbers of students matriculating into and successfully completing high quality degree programs in science, technology, engineering and mathematics (STEM) disciplines in order to diversify the STEM workforce. Particular emphasis is placed on transforming undergraduate STEM education through innovative, evidence-based recruitment ...

[Click here for more information]

Natural Hazards Engineering Research Infrastructure (NHERI)

Full Proposal Deadline Date: November 4, 2015

Program Guidelines: NSF 15-598

The planned outcome of this solicitation is to establish the final three awards for the NSF-supported Natural Hazards Engineering Research Infrastructure (NHERI) - Network Coordination Office (NCO), Computational Modeling and Simulation Center (SimCenter), and PostDisaster, Rapid Response Research (RAPID) Facility. The NCO, SimCenter, and RAPID Facility components for NHERI were originally competed under program solicitation NSF 14-605, Natural Hazards Engineering Research Infrastructure ...

[Click here for more information]