GENERAL INFORMATION

Document Type: Grants Notice
Funding Opportunity Number: 14-588
Funding Opportunity Title: Improving Undergraduate STEM Education
Opportunity Category: Discretionary
Funding Instrument Type: Grant
Category of Funding Activity: Science and Technology and other Research and Development
Category Explanation: 
Expected Number of Awards: 185
CFDA Number(s): 47.076 -- Education and Human Resources
Cost Sharing or Matching Requirement: No

Posted Date: Jul 22, 2014
Creation Date: Jul 22, 2014
Original Closing Date for Applications: Oct 24, 2014
Full Proposal Deadline(s): October 22, 2014
Engaged Student Learning: Exploration
October 24, 2014
Institutional and Community Transformation: Exploration
Current Closing Date for Applications: Oct 24, 2014
Full Proposal Deadline(s): October 22, 2014
Engaged Student Learning: Exploration
October 24, 2014
Institutional and Community Transformation: Exploration
Archive Date: Feb 13, 2015

Estimated Total Program Funding: $3,000,000
Award Ceiling: $3,000,000
Award Floor: $250,000

ELIGIBILITY

Eligible Applicants: Unrestricted (i.e., open to any type of entity above), subject to any clarification in text field entitled "Additional Information on Eligibility"

Additional Information on Eligibility:

ADDITIONAL INFORMATION
Agency Name: National Science Foundation

Description: 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 populace. Both of these priorities depend on the nature and quality of the undergraduate education experience. In addressing these STEM challenges and priorities, the National Science Foundation invests in evidence-based and evidence-generating approaches to understanding STEM learning; to designing, testing, and studying instruction and curricular change; to wide dissemination and implementation of best practices; and to broadening participation of individuals and institutions in STEM fields. The goals of these investments include: increasing the number and diversity of STEM students, preparing students well to participate in science for tomorrow, and improving students’ STEM learning outcomes. The Improving Undergraduate STEM Education (IUSE) program invites proposals that address immediate challenges and opportunities that are facing undergraduate STEM education, as well as those that anticipate new structures (e.g. organizational changes, new methods for certification or credentialing, course re-conception, cyberlearning, etc.) and new functions of the undergraduate learning and teaching enterprise. The IUSE program recognizes and respects the variety of discipline-specific challenges and opportunities facing STEM faculty as they strive to incorporate results from educational research into classroom practice and work with education research colleagues and social science learning scholars to advance our understanding of effective teaching and learning. Toward these ends the program features two tracks: (1) Engaged Student Learning and (2) Institutional and Community Transformation. Two tiers of projects exist within each track: (i) Exploration and (ii) Design and Development. These tracks will entertain research studies in all areas. In addition, IUSE also offers support for a variety of focused innovative projects that seek to identify future opportunities and challenges facing the undergraduate STEM education enterprise.

Link to Additional Information: NSF Publication 14-588

Contact Information: If you have difficulty accessing the full announcement electronically, please contact:

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