



From: Faculty Research Development Office (FRDO)
Office of the Vice President for Research

Subject: Limited Competitions: NSF: IUSE/Professional Formation of Engineers: Revolutionizing Engineering Departments (RED) NSF 19-614

Date: October 17, 2019

Good Afternoon,

The Office of the Vice President for Research is requesting e-mails of interest for the NSF, "IUSE/Professional Formation of Engineers: Revolutionizing Engineering Departments (RED)" funding opportunity. The funding agency limits the number of proposals per institution to **two** regardless of the track. See the following link for further details: <https://www.nsf.gov/pubs/2019/nsf19614/nsf19614.pdf>.

The goal of the RED program is to catalyze revolutionary, not incrementally reformist, changes to the education of the next generation of engineers. Professional Formation of Engineers (PFE) refers to the formal and informal processes and value systems through which people become engineers. This includes the ethical responsibility of practicing engineers to sustain and grow the profession in order to improve quality of life for all people.

There are two tracks. The *RED Innovation Track* supports projects that involve radically, suddenly, or completely new approaches and action; producing fundamental, structural change; and that go outside of or beyond existing norms and principles. The *RED Adaptation & Implementation (A&I) Track* supports projects that use evidence-based and evidence-generating change strategy approaches and actions that are adapted to the local context.

For both tracks, the Principal Investigator must be a department chair/head (or equivalent) to provide leadership for the change process. Additionally, there must be a RED team that includes (at a minimum) an expert in engineering education research who can provide guidance on evidence-based practices, and an organizational change expert who can advise on strategies for developing a culture of change and on strategies for creating meaningful collective ownership of the effort among faculty, students, and staff. The engineering education and organizational change experts may be at different institutions from the proposing institution.

The deadline for full proposals to the agency is February 7, 2020. RED Innovation proposal budgets will be between \$1,000,000 and \$2,000,000 total for a duration of up to 5 years. RED A&I proposal budgets will be up to \$1,000,000 for a duration of up to 5 years.

If you are interested in submitting a proposal to the IUSE/PFE RED award, please send a brief statement of interest with your proposed title and track, PI's name, department, proposed team, and short (200 word maximum) description of your proposed project idea via e-mail to limited@unm.edu by **NOON, Friday, November 8, 2019**. Based on the number of responses received, the Limited Competition Management Team may announce a call for preproposals. Late submissions will not be considered.

If you are affiliated with HSC, please contact Corey Ford (CFord@salud.unm.edu) or Cassandra Misenaar (CMisenaar@salud.unm.edu) for more information.