

Competition Details

NSF Innovations in Graduate Education (IGE)

Dates

Internal Submission Deadline:	Tuesday, December 14, 2021
Funding Organization's Deadline:	Tuesday, March 22, 2022

Details

Administrator(s):	UCSD Limited Submissions (Owner) Lynsey Fitzpatrick
Category:	Pre-application
Participating Organization(s):	UC San Diego
Award Cycle:	2021-2022
Number of Applications Allowed per Applicant:	1
Number of Possible Awardees:	2
Total Funding:	500,000
Project Period:	Up to three (3) years
Limited Submission:	An eligible organization may participate in two IGE project proposals per competition. Participation includes serving as a lead organization on a non-collaborative proposal or as a lead organization, non-lead organization, or subawardee on a collaborative proposal. Organizations participating solely as evaluators on projects are excluded from this limitation.
Program website:	https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505473
Sponsor reference number:	NSF 20-595
Cost-share or match required:	No
Amount note:	Total budgets for IGE projects will be between \$300,000 and \$500,000.
Funding organization:	National Science Foundation

Description

The Innovations in Graduate Education (IGE) program is designed to encourage the development and implementation of bold, new, and potentially transformative approaches to STEM graduate education training. The program seeks proposals that explore ways for graduate students in research-based master's and doctoral degree programs to develop the skills, knowledge, and competencies needed to pursue a range of STEM careers.

IGE focuses on projects aimed at piloting, testing, and validating innovative and potentially transformative approaches to graduate education. IGE projects are intended to generate the knowledge required for their customization, implementation, and broader adoption. The program supports testing of novel models or activities with high potential to enrich and extend the knowledge base on effective graduate education approaches.

The program addresses both workforce development, emphasizing broad participation, and institutional

capacity building needs in graduate education. Strategic collaborations with the private sector, non-governmental organizations (NGOs), government agencies, national laboratories, field stations, teaching and learning centers, informal science centers, and academic partners are encouraged.

Leadership teams (PI/Co-PIs) including professional expertise in the learning sciences and pedagogy, as well as in the principal science domain(s), are strongly encouraged. Project teams should also have expertise in evaluation to implement robust and appropriate data collection methods.

IGE welcomes proposals from early-career investigators and complements the Faculty Early Career Development (CAREER) Program's mission and focus. However, researchers at all stages of their careers including mid-career faculty and investigators from non-academic organizations are welcome to apply.

Important Resources

For complete details, please view the [sponsor's solicitation](#). Examples of [recent awards](#) can be viewed on the NSF website.

Application Procedure

Please submit the following materials through ucsd.infoready4.com by the internal deadline:

1. Identifying information (see ucsd.infoready4.com for details)
2. UC San Diego's role in the proposal (lead organization, subawardee, etc.)
3. Project description
 - Times New Roman, 12-point font, 1-inch margins all around, 2 pages max (including optional figures and citations)
 - Include the following sections (see 3a-c in [proposal requirements](#))
 - Innovation(s) in Graduate Education
 - Broader Impacts
 - Performance Assessment/Project Evaluation
4. NSF-style biosketch
 - 3 pages max

Please note the 11:59 pm deadline. Applicants are encouraged to submit pre-application materials in advance of the deadline so that any errors or technical difficulties can be addressed prior to the close of the competition. Pre-applications that do not conform to the posted guidelines will be returned without review. Applicants are reminded that internal review committees are composed of faculty broadly representing the sciences and engineering.

Should more than two pre-applications be received by the internal deadline, an independent faculty committee will review all pre-application materials and recommend to the Vice Chancellor for Research the most competitive proposals to represent UC San Diego, using the review criteria in the program solicitation. If selected, PIs should be prepared to complete a full application pursuant to the sponsor's guidelines.

Questions? Contact Lynsey Fitzpatrick ([email](#))