



CISE Research Experiences for Undergraduates Sites(REU Sites) NSF 19-582

Due August 25th, 2021

Directorate for Computer & Information Science & Engineering (CISE)



WEBINAR: AUGUST 6, 2021



Purpose of this Webinar

1. Introduction to REU Program Staff
2. General Overview of Solicitation
3. CISE Specific Updates
4. Q&A



CISE REU Sites Program Staff

- REU Sites Program Director Team

- Becky Shearman (rshearman@nsf.gov), CNS
- Jeff Forbes (jforbes@nsf.gov), CNS
- Wendy Nilsen (wnilsen@nsf.gov), IIS
- B. Prabahakaran (bprabhak@nsf.gov), IIS
- Almadena Chtchelkanova (achtchel@nsf.gov), CCF
- Alan Sussman (alassusm@nsf.gov), OAC

- REU Site Program Staff

- Sharon Glivens (sglivens@nsf.gov), CNS
- Shanelle Cash (scash@nsf.gov), CNS



REU Sites Solicitation

NSF 19-582

Due Aug 25th, 2021

Research Experiences for Undergraduates (REU) Sites and Supplements

PROGRAM SOLICITATION NSF 19-582

REPLACES DOCUMENT(S): NSF 13-542



National Science Foundation

Directorate for Biological Sciences

Directorate for Computer and Information Science and Engineering

Directorate for Education and Human Resources

Directorate for Engineering

Directorate for Geosciences

Directorate for Mathematical and Physical Sciences

Directorate for Social, Behavioral and Economic Sciences

Office of Integrative Activities

Office of International Science and Engineering

Full Proposal Deadline(s) (due by 5 p.m. submitter's local time):

August 28, 2019

Fourth Wednesday in August, Annually Thereafter

<https://www.nsf.gov/pubs/2019/nsf19582/nsf19582.htm#prep>



Overview of REU Site program

- Institutions typically host 8-10 undergrads for summer research in labs on the host campus
- Research in focused CISE disciplinary area led by a team of faculty mentors
- At least half of the student participants must be recruited from institutions where research opportunities in STEM are limited (including two-year colleges)
- A significant fraction of student participants must come from outside the host institution
- Sites are encouraged to recruit women and students from under-represented groups
- Sites include a range of professional development opportunities and grad school preparation and possibilities



Overview of REU Site program

Solicitation Specific Criteria

- The research & professional development of student participants (e.g. appropriateness of the research project(s) and the nature of the students' participation in these activities).
- Quality of the research environment (facilities, preparedness of the research mentors, professional development for students).
- Quality of student recruitment & selection plans (students from underrepresented groups, from outside the host institution, from academic institutions with limited research opportunities in STEM).
- Quality of plans for student prep & follow-through to promote continuation of student interest and involvement in research.
- Cost-effectiveness of the budget, effectiveness of the management plan and evaluation of outcomes.
- For renewals of previously funded REU Sites: effectiveness of the previous Site.



CISE REU Site Proposals

1. Submit to CISE/Computer & Network Systems (CNS)
2. Align REU Site topic with CISE division/program
 - Computer and Network Systems (CNS)
 - Information and Intelligent Systems (IIS)
 - Computing and Communication Foundations (CCF)
 - Advanced Cyberinfrastructure (OAC)
 - Refer to CISE Core Programs [20-591](#) Solicitation for scope of research



CISE REU Site Updates

1. Student Support Costs
2. NSF Education & Training Application
3. CISE REU program evaluation
4. Travel costs
5. PI compensation



CISE REU Site Updates

1. Student Support Costs

- Typically, Participant Support Costs constitute 70% or more of the Total Direct Costs.
- Student stipends are expected to be approximately \$600 per student per week.
- Meals are expected to be budgeted for at least \$140 per week or based on an estimate provided for a residence hall dining plan.
- Housing needs are expected to be addressed for all REU students
 - Housing costs are expected to be based on costs provided by a housing office or other relevant party.
 - Local students participating in the REU site should receive a housing stipend if they are not staying in the housing provided by the REU Site.



CISE REU Site Updates

2. NSF Education & Training Application

- New (and renewal) CISE REU Sites must use the NSF Education and Training Application (ETAP) to manage student applications and collecting student demographic information.
- <https://www.nsfetap.org/>
- help@nsfetap.org



CISE REU Site Updates

3. CISE REU Program Evaluation

- “Comparative Evaluation of Undergraduate Research Opportunities on Student Interest in Research Careers in CISE Fields” conducted by the Computing Research Association’s Center for Evaluating Research Pipeline (CERP) to fulfill the evaluation requirement of the REU Sites program.
 - CERP’s evaluation work will focus on measuring the impact of your REU on students’ self-perceptions, academic development, and professional aspirations.
 - At the end of data collection, CERP will provide a report that summarizes evaluation results alongside a comparison group of responses collected from similar REUs.
 - Demographic data and other student characteristics will be provided in the report with an intersectional lens when possible.



CISE REU Site Updates

3. CISE REU Program Evaluation

- Submit an interest form to sign up and for a statement to include in your proposal.
(<https://cra.org/cerp/cep-reu-evaluation/>)
- If PIs choose to participate in this evaluation, they **DO NOT** have to include evaluation in the budget.



CISE REU Site Updates

4. Travel Costs

- PIs do not need to budget for travel to PI meetings or student travel to present at conferences.
- PIs and students will have opportunities to request funding for travel as needed through separate venues.



CISE REU Site Updates

5. PI Compensation

- CISE expects proposal budgets to include no more than one month of salary for the PI and no more than one additional month of salary distributed across co-PIs and senior personnel.
- **Note:** *Project costs must be predominantly for student support.*



Thank You!

QUESTIONS?

