Limited Submissions
Sponsor: National Science Foundation (NSF)
Program: Improving Undergraduate STEM Education: Computing in Undergraduate Education (IUSE: CUE)

Estimated Award Amount: $350,000
JHU Nomination Limit: 2
For More Detailed Information Click Here

Deadlines:
Internal Application: March 26, 2019
Full Application: May 9, 2019

Opportunity Summary:
Increasingly, undergraduate computer science (CS) programs are being called upon to prepare larger and more diverse student populations for careers in both CS and non-CS fields, including careers in scientific and non-scientific disciplines. Many of these students aim to acquire the understandings and competencies needed to learn how to use computation collaboratively across different contexts and challenging problems. However, standard CS course sequences do not always serve these students well.

With this solicitation, NSF will support teams of Institutions of Higher Education (IHEs) in re-envisioning the role of computing in interdisciplinary collaboration within their institutions. In addition, NSF will encourage partnering IHEs to use this opportunity to integrate the study of ethics into their curricula, both within core CS courses and across the relevant interdisciplinary application areas.

The IUSE: CUE program welcomes two classes of proposals:
• Proposals that do not include an ethics component may request a maximum budget of $300,000 for up to 18 months; and
• Proposals that do include an ethics component may request a maximum budget of $350,000 for up to 18 months.

Eligibility & Requirements:
• Proposals must comprise a multi-institutional partnership, with a lead IHE and 2-4 additional IHE partners working together, structured and functioning (formally or informally) as a Networked Improvement Community (NIC).
• A single IHE may partner on at most two submitted proposals.
• IUSE: CUE requires that all proposals include specific efforts to broaden participation in computing (BPC).
• If the proposal includes funding to be provided to an international branch campus of a US institution of higher education (including through use of subawards and consultant arrangements), the proposer must explain the benefit(s) to the project of performance at the international branch campus, and justify why the project activities cannot be performed at the US campus.

Internal Nomination Process:
Interested applicants should submit the following documents:

1. JHU Limited Submission Cover Sheet
2. Proposal (maximum of two pages of text only, single spaced: 12-pt font and one-inch margins)
   (Note: figures, tables, and other reference material may be included in addition to the 2 pg. text limit)
3. Curriculum Vitae of investigator, including current external research support and publications
4. Budget (two pages maximum)

Click Here to Apply

Questions? Comments? Email the Research Development Team at resapp@jhu.edu.