PROGRAM

The REU Site "COMPLEXITY ACROSS DISCIPLINES" (CAD) is a nine week summer program, sponsored by the National Sciences Foundation and Boise State University, in which undergraduate students experience independent team based research in combinatorics, number theory/algebra, and game theory motivated by applications to search optimization, information security, or genome biology. The nature of computing and complexity is the central unifying focus of the program. The program aims to immerse up to ten undergraduate students of diverse backgrounds in all facets of research in a culture of close and daily collaboration with faculty.

The program, as member of the Alliance of Summer Undergraduate Research Programs at Boise State University, exposes the participants to a myriad of learning and research opportunities. The students have an opportunity to interact with intellectual peers from a variety of disciplines and be part of an academically rich social environment.

APPLICATION

We welcome applications from current students with strong interests in mathematics, science, technology and engineering. We strongly encourage applications from students who are also members of a group underrepresented in STEM fields (e.g. women, African Americans, Hispanics/Chicanos, Native Americans, Alaska Natives, Native Hawaiians, Pacific Islanders, persons with disabilities) or who are enrolled in a minority, women's, or non-doctoral institution.

NSF support through this program is open only to applicants who are US citizens or permanent residents of the United States. Applications from current foreign undergraduate students with alternate funding are welcome.

Applications must be submitted online through mathprograms.org by March 1, 2015.

BOISE STATE UNIVERSITY
COLLEGE OF ARTS AND SCIENCES
Department of Mathematics

The Complexity Across Disciplines (CAD) Program

- Develops multidisciplinary approaches to scientific problems
- Produces intellectually independent young researchers whose work and vision transcend traditional disciplinary boundaries
- Builds intellectual infrastructure focusing on the pervasive themes of computing and complexity in daily life
- Invests intellectual and professional resources in engaging K-12 students in scientific inquiry
- Establishes long lasting professional relationships and collaboration among participants

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