Research Experiences for Undergraduates
Computational Number Theory and Combinatorics
Clemson University

Undergraduates who have a solid background in mathematics and some knowledge of computation are invited to apply for an eight-week research experience in computational number theory and combinatorics at Clemson University. Participants will be offered up to $ 463 in travel support, a dorm room to be shared with other participants, up to $ 926 for meals and a stipend of $ 3,357.

HOW TO APPLY

Please visit the web page listed at the bottom of this page for application instructions and an application form. Application review will begin on **15 Feb**

PROGRAM DETAILS

Participants will be introduced to various tools, techniques and problems from computational number theory and combinatorics. Participants will be divided into teams of two or three. Each team will then pick a problem on which to focus for the remainder of the REU. The goal of the program will be to help students attain a higher level of independence in mathematical research by giving them the opportunity to take part in a significant and interesting research project. Each day will begin with a lecture on some topic of interest to the participants. In the beginning, these lectures will be given by the supervisors. Later, participants will be encouraged to lecture on topics related to their research. For the first two weeks of the program participants will meet daily with their supervisors. As time progresses, these meetings will become less frequent in order to allow the students to reach an increased level of independence. Participants will be strongly encouraged to pursue the publishing of their results in a suitable mathematical journal. Students will also be encouraged to attend the SouthEast Regional Meeting On Numbers (SERMON) in the spring of the following year and present their work there. For a list of possible problems and information on past REU research, please visit our web page (the URL is at the bottom of the page).

SPECIAL COLLOQUIUM SERIES

As a complement to working on their research, students will attend a weekly colloquium series. These colloquia will be given by leaders in the various fields related to the students' research problems and who have demonstrated the ability to clearly communicate mathematical ideas to audiences of varying levels. A list of previous colloquium speakers is available on our web site.

For more information please contact Kevin James (kevja@clemson.edu) or visit our web page:
http://www.math.clemson.edu/ kevja/REU/