

# Research Experience for Undergraduates (REU)

Department of Mathematics, Texas State University

June 11 – August 3, 2012

<http://www.math.txstate.edu/reu.html>



Sponsored by NSF and Texas State University, this REU program is designed to attract promising undergraduate students to the field of Mathematics and to give the students a hands-on approach to the exciting research methods in this field. Nine students will spend eight weeks in the summer on site working in groups of three with a supervising faculty mentor on an open problem in Mathematics. Participating students will also be provided with opportunities to present their research at national conferences in the year following the summer program. Faculty mentors will introduce the students to a network of researchers in the field, and guide the students in the process of applying to graduate programs and fellowships.

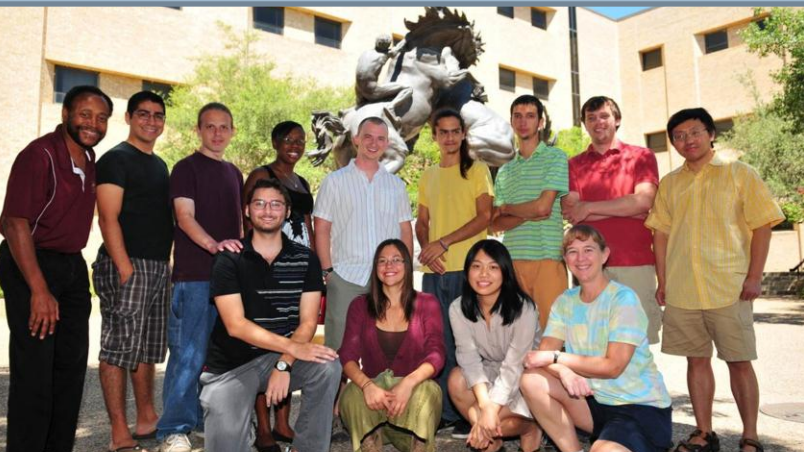
## Who Can Apply?

- Applicants must be U.S. citizens or permanent residents.
- Applicants will continue to be enrolled as undergraduate students in the fall of 2012.
- Applicants have a GPA of 3.0 or above.
- Applicants have successfully completed at least one semester of Discrete Math and/or Abstract Algebra.

## How to Apply?

Review of applications will begin on March 1, 2012 and continue until all nine positions are filled. Applications must be electronically submitted to Dr. Jian Shen ([js48@txstate.edu](mailto:js48@txstate.edu)) with the supporting documents:

- Completed Application Form. Download the application form from the program website.
- A scanned copy of an official transcript, including courses registered for Spring 2012.
- Two recommendation letters from faculty members who can assess your research potential.
- A one-page resume.



## Benefits

- Stipend: \$4,000
- On-campus housing (two to a room).
- On-campus meals
- Travel allowance

## Mentors and Research Projects

- Dr. Xingda Jia, Graph Theory: Extremal Cayley Graphs
- Dr. Thomas Keller, Group Theory: Graphs Related to Element Orders of Finite Groups
- Dr. Jian Shen, Graph Theory and Additive Number Theory: The CSS Conjecture on Cycles in Triangle-free Digraphs

## Contact

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