



NC STATE has an REU for YOU!

Overview:

The Institute for Mathematics at North Carolina State University (IM@STATE) is a dynamic environment where young mathematicians engage in exciting and challenging projects. Teams of 3-4 students work collaboratively on projects with links to industry and government labs.

Possible Projects Include:

- Optimal Design of Electron Beam Guns (Calabazas Creek Research, Inc.)
- Modeling Biological Systems (U.S. EPA)
- Financial Mathematics
- Cryptanalysis and the R.S.A.
- Cell Rearrangements in Tissues
- Random Sampling and Matrix Approximations
- Modeling and Simulation of Biological Flows
- Cluster Analytics and Data Mining
- Advanced Materials for Improved Biomedicine
- Quantum Error-Correcting Codes

REU in Mathematics:

- For full-time mathematics majors, as of September 2016
- 10 week program
(May 30 – August 1, 2017)
(Arrive 5/29 and depart 8/2)
- \$4,500 stipend
- Free dorm room
- Partial meal allowance
- Travel funds up to \$300

REU+ in Mathematics:

- For under-represented minority students
- 11 week program
(May 22 – August 1, 2016)
(Arrive 5/21 and depart 8/2)
- \$5,000 stipend
- Free dorm room
- Partial meal allowance
- Travel funds up to \$300

How to Apply:

Processing of applications begins **February 15, 2017**. Application forms and information about the REU and REU+ programs may be found from the following web link:

<http://www.math.ncsu.edu/summer/IMSTATE/index.php> or by contacting Professor Hien Tran, IM@STATE Director, Department of Mathematics, North Carolina State University, tran@ncsu.edu; Telephone 919-515-8782.

Only complete applications will be considered.

*Applicant must be a citizen or permanent resident in the United States or its possessions
Female, minority and physically disabled students are encouraged to apply
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