



Application deadline

February 29, 2008

Eligibility

- Junior or Senior in College
- A GPA of at least 3.25 in Mathematics
- U.S. citizen or permanent resident
- Minorities, women, students with disabilities, and students from primarily undergraduate institutions are especially encouraged to apply

General information

- Duration: 8 weeks
- Stipend: \$3,350, a travel allowance of \$425, and on-campus housing and meals

<http://math.missouristate.edu/reu>

About the REU program

Research Experiences for Undergraduates is an NSF-sponsored program that provides students a unique opportunity to actively participate in cutting-edge mathematical research with faculty mentors and graduate students. At the end of this program, students will have developed a greater mathematical maturity and will be better prepared to pursue graduate studies. Historically, participation in an REU program has dramatically improved a student's attractiveness to graduate schools.

Research projects include

- Diffusive predator-prey models with harvesting
- Applications of matrix computations to search engines
- Smooth continuation of traveling waves in phase field models
- Topological and graphical properties of zero-divisor graphs and related graphs
- Properties of multidimensional periodic sequences over finite commutative rings
- Generalized derangements
- Properties of the subgroup graph of a group
- Hurwitz groups



Contact information

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About Springfield and the surroundings

Located in the heart of the scenic Ozarks region, Springfield is the third largest city in Missouri. Attractions include Branson, Silver Dollar City, Fantastic Caverns, Dickerson Park Zoo, Juanita K. Hammons Performing Arts Center, the Springfield Cardinals and Missouri State's renowned Tent Theatre.



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Missouri State
UNIVERSITY

Research Experiences for Undergraduates

in Mathematics

June 9 – August 1, 2008

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Supported by the National Science Foundation

