



and



National Science Foundation-sponsored

**Research Experience for Undergraduates
In Mathematical Cryptology**

June 13, 2010 – August 7, 2010

Application

You may apply by e-mail or mail.

You need not use this form to apply, but please respond to all of the questions and requests for information that are contained in this form.

Name: _____
Last First MI

E-mail: _____

Current address:

Street

City State ZIP

Current phone: _____

Sex: M F

College or university in which you are now enrolled:

Participants must not have graduated prior to the REU.

When do you expect to graduate? _____

Participants must be either citizens or permanent residents of the United States.
Are you a citizen or permanent resident of the United States? Yes No

List two faculty members who you have asked to provide a reference for you:

Name _____

Address _____

E-mail: _____

Name _____

Address _____

E-mail: _____

Instructions for references are given at the end of the application. Please give a copy to each of your references.

Please tell us about yourself by responding to the following:

Please list the mathematics, statistics, and computer science courses that you have taken and your grades in those courses. List the mathematics, statistics, and computer science courses that you are now taking, and tell us about the computer skills that you have. Several of the problems that participants may explore are “experimental mathematics” and will require some computing skill.

Please tell us about any extra-curricular mathematical activities in which you have participated; e.g., mathematical problem solving, contests, presentations, and clubs.

If you have participated in another undergraduate research program, please tell us about that program and your participation in it.

Please tell us about your interest in mathematics and mathematical research.

More information about the REU can be found on the REU's website

<http://math.nku.edu/studentresources>

Please e-mail or mail your completed application to:

**Chris Christensen
Department of Mathematics
Northern Kentucky University
Highland Heights, KY 41099
christensen@nku.edu**

Selection of participants will begin on February 1, 2010.



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Instructions for References

The REU is an eight-week summer program during which six or more undergraduate students will be engaged in research problems in mathematical cryptology. The participants will be mentored by Chris Christensen of Northern Kentucky University and Jintai Ding of the University of Cincinnati and two graduate students.

We would appreciate your candid assessment of the applicant's mathematical ability and computer skills.

Participants in the REU will be engaged in challenging problems in mathematical cryptology. Please discuss the likelihood of the applicant's being able to successfully participate in such a program.

Please tell us how long you have known the applicant and in what capacity you have worked with the applicant.

More information about the REU can be found at
<http://math.nku.edu/studentresources>

Please e-mail or mail your completed letter of recommendation to:

**Chris Christensen
Department of Mathematics
Northern Kentucky University
Highland Heights, KY 41099
christensen@nku.edu**

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