Invitation
PRISM: The Summer Discovery Experience
Create your future in Science
Work with Professors and Students on Research Projects
Space is limited. Reply Now

Invitation – We invite you to apply to the PRISM Summer Discovery Experience (SDE); an intensive, four-week, hands-on, interdisciplinary program in Mathematics, Physics, and Biology. The program is open to all freshmen and sophomores and will be held during the month of May 2010.

Support – As a PRISM SDE student, you will receive:
- free housing throughout the program in a campus residence hall,
- most meals, and
- $1,000 stipend.

Research Co-ops – PRISM faculty and Co-op Coordinators will work with you to leverage your research experience in the PRISM SDE program to help you reach an even higher level in a research co-op. In addition, you will have the opportunity to apply for prestigious National Science Foundation funded research co-op positions with faculty in Mathematics, Biology, and Physics.

The Program – There will be an emphasis on problem solving and open-ended inquiry. The program will be taught as a sequence of one-week long modules, starting with a basic layer of mathematics aimed toward applications in the STEM sciences, followed by more focused topics in Mathematics, Physics and Biology presented by faculty from corresponding Departments. You will be exposed to a broad variety of problems from different areas of mathematics and applications in order to see what meets your interests for further exploration. As a participant in the program – either individually or as part of a small group – you will pursue a topic in depth with guidance from faculty and student mentors, leading to a presentation at the end of the SDE program.

A Typical Day – The day will be broken into two morning sessions and two afternoon sessions as follows:
Morning 1: Lecture followed by presentation of open questions for the day.
Morning 2: Exploration of open questions, both in classroom settings and in computer labs.
Afternoon 1: Discuss progress on open questions with faculty, modify approaches, and sharpen answers.
Afternoon 2: Continued exploration and problem solving sessions, with assistance from graduate students and faculty.

Accept our invitation: It is easy. Simply let us know you are interested by the end of the day on February 29. Send a simple four-line e-mail to Richard Porter at r.porter@neu.edu with the following information and we will follow up to confirm your participation.
Your Name:
Your Major:
Year of graduation:
Your NU ID: