

Revitalizing Achievement by using Instrumentation in Science Education (RAISE)



RAISE Wants You!

RAISE Fellowships

Six \$10,000 fellowships are available to qualified engineering undergraduates under an NSF sponsored GK-12 Fellows program.

Fellowship Time Commitment: The position begins on June 1, 2006. Fellows must spend ten hours/week at a high school site and five hours/week in preparation. Fellows must also maintain a full load of undergraduate study and demonstrate progress toward their assigned research.

Responsibilities:

- Serve on-site at a high school as a science resource to excite students about science and math by designing and conducting sensor-based experiments.
- Develop and conduct technology workshops for high school teachers.
- Collaborate with teachers to plan, develop, and conduct laboratory activities.
- Conduct research in faculty directed projects in mechanical engineering (e.g., control engineering, mechatronics, smart sensors, etc.) and civil engineering.

Requirements:

- Enrolled at Polytechnic University with senior status (by Fall 2006) in mechanical, civil, electrical, or computer engineering.
- Excellent scholastic record and a strong aptitude in math and science.
- Familiarity with modern sensors, instrumentation, and MATLAB/LabVIEW.
- Excellent written and oral communication skills.

For full consideration submit: an application (available at <http://gk12.poly.edu>), curriculum vitae, statement of purpose, official transcript, and 3 letters of recommendation.



For further information contact:

Dr. V. Kapila (Mech. Eng.)

Dr. M. Iskander (Civil Eng.)

Dr. N. Kriftcher (Packard Ctr.)

Polytechnic University

6 Metrotech Center

Brooklyn, NY 11201

Email: gk12@poly.edu

For more details, visit the project website:

<http://gk12.poly.edu>

Application Deadline: May 12, 2006