Revitalizing Achievement by using Instrumentation in Science Education (RAISE)

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.


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For more details, visit the project website: http://gk12.poly.edu
Application Deadline: May 12, 2006