Revitalizing Achievement by using Instrumentation in Science Education (RAISE)

RAISE Fellowships

Six $30,000 graduate fellowships plus full tuition are available to qualified mechanical and civil engineering students 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 graduate study and demonstrate progress toward their assigned thesis/dissertation 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:
• B.S./M.S. in mechanical or civil engineering, or a related discipline.
• 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.
• Formal admission as a graduate student to Polytechnic University.


For further information contact:
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For more details, visit the project website:
http://gk12.poly.edu

Application Deadline: May 12, 2006