

Undergraduate Research Internships in Alternative Fuel Technology  
University of Missouri-Columbia  
Summer 2005 & Academic Year 2005/06

*Would you like to become a leader in alternative energy technologies?*  
*Would you like to help develop the fuel tank for the next generation of clean vehicles?*  
*Would you like to help reduce oil imports?*  
*Would you like to help convert a pollutant into a renewable energy source?*



<http://www.physics.missouri.edu/>

The Alliance for Collaborative Research in Alternative Fuel Technology — ALL-CRAFT, led by the University of Missouri-Columbia (MU) and funded by the National Science Foundation, invites you to apply for a research internship for Summer 2005, June 6 - July 29 (8 weeks), and/or for the academic year 2005/06, in one of the labs associated with ALL-CRAFT.

We are developing storage technologies for natural gas, based on a porous carbon made from Missouri waste corncob and synthetic materials, for fuel tanks in clean automobiles, collection of natural gas from landfills, and large-scale shipping of natural gas from Alaska. Two summer internships are offered at MU in the Departments of Physics, Chemistry, Chemical Engineering (fabrication of storage materials), and Civil & Environmental Engineering (natural gas from landfills); one at Renewable Alternatives LLC, Columbia (bioenergy); and two at the Midwest Research Institute, Kansas City (design and testing of prototype tank for cars). Five academic-year internships are offered in the listed departments at MU.

**Eligibility:** Undergraduates with a math/science/engineering background, an interest in pursuing a major in one of these areas, and an interest in interdisciplinary work, transforming scientific discoveries into technological innovations, and helping build a sustainable world. If possible, the summer internships at the Midwest Research Institute will be filled with students whose home is in Kansas City. Students from underrepresented groups are strongly encouraged to apply.

**Pay:** Summer internship: Stipend of \$3,000, one hour of academic credit, travel to and from Columbia, on-campus housing and meals. Academic-year internships: Stipend of \$1,000, three hours of academic credit, travel to and from Columbia.

**Contact:** Submit application form and a copy of transcripts to:

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**Deadlines:** Summer internships: March 7, 2005, or until positions are filled. Academic-year internships: May 16, or until positions are filled.