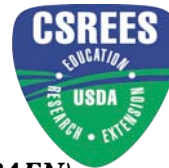




# TEXAS A&M UNIVERSITY

Department of Biological and Agricultural Engineering (BAEN)  
Department of Crop and Soil Science (SCSC)



## USDA National Needs Ph.D. Fellowships for Minorities in Bioenergy



For more information please see our webpage at:

<http://baen.tamu.edu/academics/nnf/bioenergy>



The Department of Biological and Agricultural Engineering (BAEN) and the Department of Soil and Crop Sciences (SCSC) at Texas A&M University invite applications for 3 minority **USDA National Needs Fellowships** at the Doctorate level. These fellowships are available immediately for students in engineering and soil and crop sciences for bioenergy research.

**Research Areas:** The selected candidates will pursue a Doctor of Philosophy degree in either the BAEN Dept. (engineering students) or the SCSC Dept. to develop sustainable bioenergy systems.

These alternative energy systems will utilize pyrolysis, gasification, and catalysis processes to convert agricultural feedstocks to biofuels. Possible research topics include, engineering of pyrolysis, gasification and catalysis systems, evaluation of crop traits for biofuels production, use of byproducts as a soil amendment for nutrient cycling and carbon sequestration, GIS analyses to optimize bioenergy logistics

**Stipends:** The fellowships are \$24,000/yr for three years. In addition, each fellow will receive a \$34,000 onetime scholarship from the Alfred P. Sloan Foundation.

**Eligibility:** Applicants must have a Master of Science degree from an ABET-accredited engineering or science program and a grade point average higher than 3.0 on a 4.0 scale from both bachelor's and master's level coursework. Candidates for these fellowships must be a minority (African-American / Hispanic /Native

American) and a U.S. citizen. Fellows must be full-time students at Texas A&M University.

**About BAEN and SCSC:** The BAEN graduate program was ranked first in 2007 by the US News and World Report. BAEN faculty have maintained strong bioenergy research programs in the design and evaluation of pyrolysis, gasification and catalysis systems to convert crop products to biofuels. The BAEN and SCSC Depts. have worked closely to develop BMPs for the land application of waste byproducts through field research, laboratory studies, model simulations, and GIS analyses.

SCSC offers PhD degrees in Agronomy, Soil Science, and Plant Breeding and interdisciplinary degrees in Molecular and Environmental Plant Sciences and Genetics. SCSC faculty are internationally recognized leaders in development and evaluation of bioenergy crops and sustainable bioenergy production systems.

**Contact:** Submit a resume indicating a grade point average, work experience, relevant courses, and the names and addresses of two references by mail or e-mail to either:

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