

INTRODUCTION



The REEU Summer Program is a residential 5 week program open to Freshman and Sophomore undergraduates in agriculture science or environmental/agricultural engineering. The goals of the fellowship program are to: 1) provide hands-on learning experiences in water quality, 2) Expose students to careers in agricultural extension; and 3) provide a pathway to graduate school.

Fellowship students will receive:

- Hands-on education and research training in the area of water quality
- Internships with agricultural extension specialists
- 3-hours of college credit
- \$2,500 stipend
- Free housing at Texas A&M University
- Meal allowance of \$150 per week
- \$250 travel allowance to participate in a water quality conference
- Opportunity to go on the Belgium Environmental Science and Engineering Study Abroad program

A multidisciplinary team of extension specialists, agricultural engineers, soil and water microbiologist, or(soil physicist from Texas A&M University (TAMU) and Prairie View A&M University (PVAMU) will support this program.

The Fellowship program will feature a mentoring program that will pair students with one of the supporting faculty members. Faculty mentors will introduce the students to the program, cultivate the student's interests, and help the students to set individual educational and research goals for the experience. Mentors will also provide opportunities for students to work autonomously and help them to effectively document their research experiences.

Fellowship students will participate in a variety of AgriLife Extension programs related to water quality. They will be involved in research projects that will assess the transport of nitrogen, phosphorus, and bacteria through the soil and water. Students will also attend a comprehensive series of workshops and short course lectures that will present the basic scientific principles for: 1) the movement of water over the surface and through the soil including: infiltration, percolation, and overland flow processes, and 2) the physico-chemical properties, transformations and pathways of nitrogen, phosphorus, and bacteria; and 3) the functional operation of anaerobic, aerobic onsite sewage facilities (OSSFs) and wastewater reuse systems. Top-tier fellowship students will have the opportunity to participate in the Environmental Science and Engineering Study Abroad program in Belgium.



Water Quality Fellowships

5 - Week Summer Program

Sponsored by:
Texas A&M University
Prairie View A&M University



June 1 — June 30, 2017

PROGRAM DATES

June 1 – June 30, 2017

PROGRAM LOCATION

Extension, Research, and Education Activities

Extension: BAEN Department, Texas A&M University, College Station

Education: Scoates Hall, Texas A&M University, College Station

Research: OSSF extension facility, Texas A&M Riverside Campus and Microbiology Laboratory, Heep Center, Texas A&M University, College Station

ELIGIBILITY

- U.S. Citizen or Permanent Resident
- Agriculture science or environmental/agricultural engineering major
- Freshman or Sophomore classification
- Minimum age: 18 years
- 2.75 GPA
- Preference will be given to students from an under-represented group (African-American, Hispanic, American Indian, first generation college student)

APPLICATION DEADLINE

The application deadline is March 30, 2017.



FELLOWSHIP BENEFITS

Fellowship Students will Receive:

- Hands-on education/research training
- Internships with Agricultural Extension Specialists
- 3-hours of college credit
- \$2,500 stipend
- Free housing on the campus of Texas A&M
- Meal allowance of \$150 per week
- \$250 travel allowance to participate in a water quality conference
- Opportunity to go on the Belgium Science and Engineering Study Abroad program

CONTACTS

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**For more information:
Visit the Fellowship website:
<http://www.pvamu.edu/cahs/reeu>**

Apply to the Fellowship Program at:

www.pvamu.edu/cahs/reeu/

Complete the online application and necessary forms and submit as appropriate. The application deadline is March 30, 2017. Essays should be one page in length describing student's research interests, career goal and related experience.



United States Department of Agriculture
National Institute of Food and Agriculture

TAMU and PVAMU do not discriminate against anyone regardless of their race, color, national origin, religion, sex, gender identity (including gender expression), sexual orientation, disability, age, marital status, family/parental status, income derived from a public assistance program, political beliefs, reprisal or retaliation for prior civil rights activity, in any program or activity.

Persons with a disability who require alternative means of communication of program information (braille, large print, audiotape, etc.) should contact Dr. Ali Fares at (936)-261-5019 in advance.