



College of Agriculture

PO Box 1080, State University, AR 72467

Graduate Research Assistantship:

The College of Agriculture at Arkansas State University is pleased to announce a 24 month funded master's level research assistantship beginning July 1st 2019. This position supports geospatial research in the Agricultural Systems Technology lab. The available degree options include either the MSA in Agriculture or the MS in Environmental Sciences.

This assistantship is in cooperation with USDA-ARS, and focused on agro-environmental research in the Mississippi River Delta. Research includes the use of GIS, UAS, multi-spectral imagery, and LIDAR. Research problems relate to aquifer recharge/infiltration, sustainable surface water usage, precision farming, topographic modeling and multi-spectral vegetation index modeling.

Applicants must have:

- proficiency with ArcGIS Desktop & Microsoft Excel
- familiarity with image processing (satellite/aerial), geodatabases
- bachelor's degree in Agriculture, Earth/Environmental Science, Geography, or a related field (by July 1st 2019)
- U.S citizenship or permanent residence status

Preferred candidates include:

- veterans with field drone experience
- holders of FAA remote pilot's license
- experience with Python scripting, ArcMap Model Builder, Microsoft Access and/or SQL.

Interested students should send a short resume, an unofficial copy of their transcripts, a portfolio of maps and/or writing sample, and a cover letter addressing their interests and goals. These documents should be submitted to the overseeing researcher, Dr. John Nowlin, via e-mail: agst@astate.edu.

Assistantships are usually filled by April 15th.