

M.S. Assistantship: Ecophysiological responses of red oak species to different silvicultural treatments at the establishment stage

**College of Forestry, Agriculture and Natural Resources,
University of Arkansas at Monticello**

The College of Forestry, Agriculture & Natural Resources at the University of Arkansas at Monticello is seeking applicants for a M.S. Assistantship available beginning January 4, 2027. The assistantship is half time and carries an annual stipend of \$19,200 plus tuition and fees.

Project: An assistantship is available for a self-motivated M.S. graduate student. Bottomland hardwood forests are biodiversity hotspots in the Lower Mississippi Alluvial Valley, where red oak species play a significant role in sustaining ecosystem functions and services. This ecosystem is currently highly fragmented due to historical degradation, but there have been important efforts toward its restoration in recent decades, positioning it as a world-class exemplar of ecological restoration. This project attempts to assess the growth, survival, and physiological responses of red oak species to diverse silvicultural intensities at establishment. This project also emphasizes the importance of these forests as carbon sinks and their potential values in carbon credit markets. The student will receive training in the silviculture and ecophysiology of these forest types, ecological restoration, and related areas.

Requirements: Applicants must have a 2.7 overall undergraduate GPA or 3.0 GPA in the last 60 semester hours of undergraduate courses and satisfactory GRE scores. A B.S. degree in a natural resources-related field is also required. Applicants must have a valid U.S. driver's license or obtain one within 60 days of starting employment. Overnight travel is required as well as the ability to work outdoors in all weather conditions.

Location and Facilities: The College of Forestry, Agriculture & Natural Resources is located in Monticello, Arkansas in the southeastern portion of the state. The Arkansas Forest Resources Center is also headquartered here, and is administered by the University of Arkansas Division of Agriculture. The Arkansas Forest Resources Center is the research and extension arm for forest-based programs within the State. The College and Center maintain several state-of-the-art laboratories (hydrology, soil, quantitative analysis, silviculture, wildlife ecology & management) available for graduate research and education. The College also has the Arkansas Center for Forest Business, Arkansas Forest Health Research Center and Snowden Waterfowl Center of Excellence subunits committed to research, education and outreach associated with forest economics and operations, forest health and waterfowl and wetlands, respectively.

Application & Additional Information: Graduate program information can be found at <https://www.uamont.edu/academics/CFANR/grad-degrees.html>. Applicants must submit resumé, unofficial transcripts, and a letter of intent (2 pages in length) indicating areas of interest, background and career goals to CFANR@uamont.edu. Reference position #2026-005 on all materials. Applicants must apply to the University of Arkansas at <https://www.uamont.edu/application.html> before they can be considered for an assistantship. For submission questions, contact Valerie Harvey at harvey@uamont.edu. For position information, contact Dr. Marco Yanez at yanez@uamont.edu, 870-460-1790.