

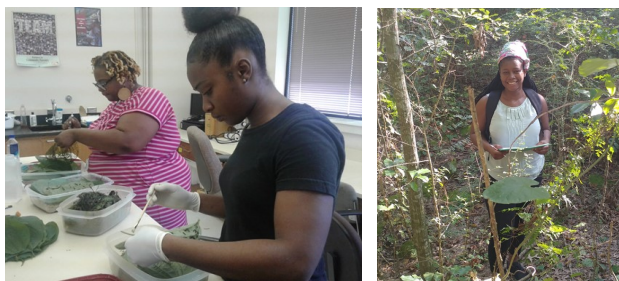
Academic Curriculum

Southern University offers a **Bachelor** in Urban Forestry and Natural Resources. As part of the curriculum, students learn about insect pests and plant diseases, and the role of beneficial insects in human activities.



Undergraduate students mounting insects (left) and collecting data during research (right)

Southern University offers **Master and PhD degrees** in Urban Forestry. Students conduct research, outreach, travel to meetings, and participate in clubs.



Graduate students involved in lab and field activities



Students presenting research at scientific meetings and winning awards

Research on Invasive Species

Invasive species are a significant threat to urban and natural ecosystems, and have resulted in significant losses to agriculture, forestry, and recreation.

Chinese Tallow, native to Asia, is one of the worst invasive trees in Louisiana. The use of specialist insects to manage this tree, known as Biological Control, is being considered. Pre-release studies are underway to collect baseline data on tallow demographics in LA.



Students measuring plant growth (left) and DBH for demography study of Chinese tallow in LA

Air potato is an invasive vine native to Asia. It grows quickly, outcompetes native plants and reduces biodiversity. The air potato beetle (*Lilioceris cheni*), is a specialist that only feed on air potato. The beetle is being reared, released, and evaluated throughout LA. This program is helping park managers, extension agents, and homeowners to manage air potato in their properties.



Air potato invading natural areas (left), and leaves damaged by biological control agent in LA (right)

Partnerships as Key to Success

Southern University has partnered with **Baton Roots Community Farm** to improve urban farming practices and ensure food security in our community. Due to its proximity to campus, the farm provides an ideal field site for research and teaching.



Field trip to collect insects using nets and pan traps



Sorting pan traps to ID insects (left) and predatory wasp feeding on insect pests in the farm (right)

Southern University has established collaboration with other Institutions including Alcorn State University, Louisiana State University, USDA Forest Service, etc.



Southern University and Alcorn State University during research on Phytobiome of Loblolly pines in LA and MS

Outreach and Recruitment



Mentoring opportunities for high-school students: Tyler Wallace assisting in air potato research



Recruitment activities with elementary and high school students in Baton Rouge, LA. Engaging our younger generations to reach their full potential



Paid internships are available for undergraduate students to gain work experiences in the lab and in the field. These hands-on learning opportunities are critical for career development and professional growth

For more information

- Contact Southern University Ag Center:
<http://www.suagcenter.com/>
- Follow Baton Roots on Facebook:
<https://www.facebook.com/batonroots/>

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Pictures from: V. Manrique, C. Schaffer, A. Royston, Z. Andrews

ADMISSIONS

Department of Urban Forestry and Natural Resources
<http://www.subr.edu/subhome/urban-forestry-and-natural-resources>



ENTOMOLOGY LABORATORY



AT SOUTHERN UNIVERSITY



Department of Urban Forestry and
Natural Resources

