Nature Resources & Environmental Sciences
Related Graduate Degrees

M.S. & Ph.D. Degrees
Program Overview

Programs are vested in the Department of Biology and Environmental Sciences (BES).

Mission: provide quality graduate training in basic and applied research of natural resource related fields.

Increase the number of trained professionals—especially minorities —engaged in research, teaching, and management of renewable natural resources.
Degree options:

- MS in plant and soil sciences
- PhD in plant and soil sciences
- MS in Biology (possible) with different emphases
Program Strengths (1)

• Diverse disciplines
• Active research programs
• Advanced laboratories and field facilities
• Professionally recognized faculty with diverse backgrounds and research/mentoring experience
• Strong collaborations with federal and state agencies, industries, private companies, and landowners
Program Strengths (2)

• Flexible programs tailored to students’ interests and career goals
• Many opportunities for graduate research assistantships and fellowships
• Abundant opportunities for international educational and research experiences
• Possibilities of minors, emphasis areas
Program Concentration Areas

• **Environmental, Soil, and Water Sciences**
  • Applications of remote sensing and GIS to land management
  • Soil chemistry and fertility, soil physics and genesis
  • Soil microbiology and biochemistry
  • Soil and water conservation
  • Hydrology and environmental sciences

• **Plant Science and Molecular Genetics**
  • Plant physiology, genetics, genomics, and biotechnology
  • Medicinal and bioenergy applications of plants
  • Horticulture and agonomy
  • Plant breeding and crop production

• **Forestry, Ecology, and Wildlife Biology and Management**
  • Forestry, silviculture, forest operations and forest management
  • Wildlife biology and management
  • Landscape ecology and conservation biology
  • Public policy and forest economics
Career Opportunities

• Federal agencies:
  • USDA Forest Service, Natural Resource Conservation Service, National Institutes for Food and Agriculture
  • US Department of the Interior Fish and Wildlife Service
  • US Environmental Protection Agency
• State agencies:
  • Alabama Department of Natural Resources and Conservation
  • State of Alabama Forestry Commission
  • Alabama Department of Environmental Management
• Local and city governments
• University faculty and researchers
• Private companies
Hands-on Research Experience and Training

Students have ample opportunities to gain experience in conducting their research and in collaboration with partners.

Ample opportunities for international research and educational experience.
Environment, Soil, Hydrology, Climate, Remote Sensing, GIS Related Research
Plant Sciences related research
Forestry, Ecology, Wildlife Related Research
Opportunities for International Educational and Research Experience

2013 AAMU team in China