SIU CARBONDALE
SOUTHERN ILLINOIS UNIVERSITY
DEPARTMENT OF FORESTRY

# Forestry Research and Student Training Program

## McIntire-Stennis supported research projects

The SIU Forestry research program matches McIntire-Stennis Capacity Grant support with state and non-federal funding to primarily support hands-on training of undergraduate and graduate students as future forestry scientists and land managers while providing solutions to a broad range of regional forestry research needs.

This research incorporates core McIntire-Stennis forestry topics including enhancing water quality and wildlife habitat, ensuring regeneration and sustainable management of public and private forests, providing accessible and ecologically appropriate outdoor recreation, and improving land use policy and decision making.

Specific research at Southern Illinois University Carbondale includes:

1. Assessing outcomes and impacts of management practices on bottomland forest habitat
2. Determining the long-term effectiveness and improving design of streamside riparian forest and cane buffers
3. Determining impacts of non-native invasive species on native forest flora and fauna and developing solutions to control their spread
4. Enhancing rare species and habitats

## About McIntire-Stennis

The McIntire-Stennis program, a unique federal-state partnership, cultivates and delivers forestry and natural resource innovations for a better future. By advancing research and education that increases the understanding of emerging challenges and fosters the development of relevant solutions, the McIntire-Stennis program has ensured healthy resilient forests and communities and an exceptional natural resources workforce since 1962.

USDA

## COLLABORATION

USDA Forest Service
USDI Fish and Wildlife Service
Illinois Department of Natural Resources
The Nature Conservancy

### Output

Providing practical solutions and a trained science-based workforce to collaborators

## IMPACT

SIUC has provided research-based solutions and actions and a new generation of well-trained forest scientists and managers to address and solve important regional forestry challenges.

### 87

Over the past 10 years, 87 M.S. and PhD. students were trained as forest scientists with McIntire-Stennis support.

### 39%

Of these graduate students, 39% were female, double the reported female undergraduate enrollment in forestry across the county.

### Inclusivity

Increased inclusivity and gender diversity in trained forestry scientists that are now employed nationally and internationally.