



Business & Technology: Environmental Science Technology **INVASIVE SPECIES MANAGEMENT**

The online Invasive Species Management program is the first of its kind in the world to provide individuals with training and field experience in controlling invasive species – with a focus on invasive plants.

Career Opportunities

Private Industry

- Landscaping Companies
- Environmental Engineering Firms
- Invasive Plant Control Companies
- Pest Control Companies

County Agencies

- Cooperative Extension Service
- County Weed Departments

State Agencies

- State Department of Transportation
- State Department of Agriculture
- State DNR
- State Forestry Service
- State Parks

Federal Agencies

- USDA Forest Service
- USDA NRCS
- National Park Service
- U.S. Fish and Wildlife Service
- Bureau of Land Management

...and many, many more opportunities!



Despite its attractive foliage and sweet smell, Chinese Wisteria (*Wisteria sinensis*) is an invasive plant that strangles American trees, like this pine.



Kudzu (*Pueraria montana*) has taken over this area and has almost covered the school bus.

For more information, call SCC at 642-7141, ext. 279.
Visit SCC on the Internet at www.sccnc.edu.
SCC • 4564 Chadbourn Hwy. • P.O. Box 151 • Whiteville, NC 28472

Invasive species cost the American economy over \$150 billion annually. They are the number two threat to native plants and animals in the U.S.; yet, efforts to control invasives are under-coordinated and under-funded. Compounding the problem is a lack of trained management efforts. Southeastern offers the first college-level program in the world to train invasive species managers.

People seeking invasive management positions generally have training in biology, forestry, agronomy or related fields. This unique program offers continuing education and a certificate that will provide the necessary education and training for invasive species managers.

Students may choose to complete classes for continuing education requirements, a certificate in Invasive Species Management, or an associate in science degree in Environmental Science Technology with a second-year focus in Invasive Species Management.

PROGRAM COURSES & DESCRIPTIONS

- **IVS 110 Introduction to Invasive Species (Internet Course) 3 hours**
Ecology and Biology of Invasive Species, Economic Impacts, Survey of Major Invasive Species (Plants, Aquatic Nuisance Species, Insects/Diseases, Injurious Wildlife), General Management Strategies, Sociological Aspects, Ethical Considerations.
- **IVS 210 Invasive Species Management Strategies (Internet Course) 3 hours**
Foreign Pest Prevention, Port of Entry Exclusion, Early Detection, Survey, Containment and Eradication, Control Methods (Chemical, Cultural, Mechanical, Biological), Interagency Partnerships, Weed Management Areas, Invasive Plant Task Forces, Outreach and Awareness.
- **IVS 220 Invasive Species Management Programs (Internet Course) 3 hours**

 - *Foreign Pest Exclusion (USDA APHIS, State Plant Regulatory Agencies, County Ordinances, Local Ordinances)*
 - *Federal Land Management Programs (e.g., USDA APHIS, Forest Service, Fish and Wildlife Service, National Park Service, Bureau of Land Management, Corps of Engineers, etc.)*
 - *Private Conservation Organizations (e.g., The Nature Conservancy)*
 - *Interagency Committees and Task Forces*
 - *Federal Interagency Committees (FICMNEW ANSTF, ITAP)*
 - *State and Regional Interagency Councils*
 - *Task Forces and Cooperative Weed Management Areas (e.g., NC Giant Salvinia Task Force, Carolinas Beach Vitex Task Force, Southeastern North Carolina Invasive Species Task Force)*
- **IVS 230 Invasive Plant Survey Methods (Internet Topics, Lab, and Field Studies) 3 hours**
Detection, Delimiting and Appraisal Surveys, GPS/GPS Mapping, Data Synthesis and Archival.
- **IVS 240 Invasive Plant Control Methods (Internet Topics, Lab, and Field Studies) 3 hours**
Containment, Eradication and Control of Invasive Species through Chemical, Cultural, Mechanical, and Biological Control Methods, Principles of Eradication, Equipment Operation, Care and Maintenance, Safety, State Pesticide License Preparation.
- **IVS 250 Invasive Species Management Co-Op (Internship) 3 hours**
Internship with Cooperating Area Agencies and Organizations, e.g., U.S. Geological Survey, National Park Service, State Park System, County Cooperative Extension Services, and Invasive Plant Control Companies.

TOTAL SEMESTER HOURS CREDIT: 18

Program content is subject to change. Check with your SCC Advisor for the most current information.