

Environmental Science Technology Program Invasive Species Management

Introduced invasive species such as Chinese Wisteria (*Wisteria sinensis*) are the number two threat to native plants and animals in the U.S., and cause over \$150 billion in losses to the American economy, annually. Efforts to control invasive species are piecemeal and under-funded. Compounding the problem is a lack of trained technicians to assist with control and management efforts. People seeking invasive species management positions generally have training in biology, forestry, agronomy, or related fields – but generally no training or field experience in controlling invasive species.

In response to this need, Southeastern Community College is offering the first ever college-level program to train invasive species field managers. Under this program, students may complete classes for continuing education requirements, a Certificate of Invasive Species Management, or an Associate in Science degree in Environmental Science Technology with a second year focus in invasive species management.

Career Opportunities.....

Federal Agencies

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

State Agencies

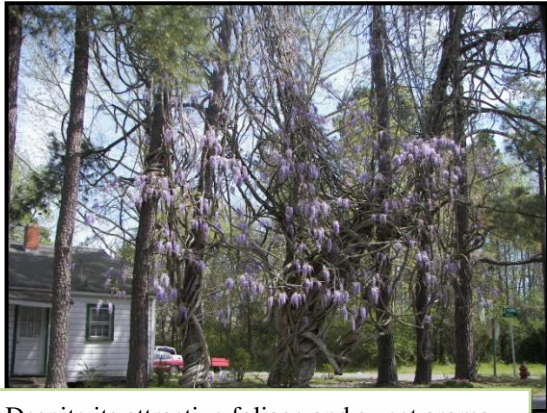
- State Departments of Transportation
- State Departments of Agriculture
- State Departments of Natural Resources
- State Forestry Service
- State Parks

Private Industry

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

County Agencies and Municipalities

- Cooperative Extension Service
- County Weed & Pest Departments
- City Parks Departments, etc



Despite its attractive foliage and sweet aroma, Chinese Wisteria (*Wisteria sinensis*) is an invasive plant that strangles American trees, such as these loblolly pines in Whiteville, N.C.



SCC Environmental Science Interns at Lake Waccamaw State Park, Lake Waccamaw, N.C.

.....and many more!

For more information, call Rebecca Westbrook at 910-642-7141, Ext. 291.
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Southeastern Community College – IVS Management Training Program

PROGRAM COURSES & DESCRIPTIONS

		Credit Hours:
IVS 110	Introduction to Invasive Species (Internet Course) Ecology and Biology of Invasive Species, Economic Impacts, Survey of Major Invasive Species Taxa (Plants, Aquatic Nuisance Species, Insects and Diseases, Injurious Wildlife, General Management Approaches, Sociological Aspects, Ethical Considerations	3 Hours
IVS 210	Overview of Invasive Species Management Strategies (Internet Course) Foreign Pest Prevention, Port of Entry Exclusion, Early Detection, Survey, Containment and Eradication, Control Methods (Chemical, Cultural Mechanical, Biological), Interagency Committees and Partnerships, Weed Management Areas, Invasive Plant Task Forces, Outreach and Education.	3 Hours
IVS 211	Overview of Invasive Species Management Programs (Internet Course) - Federal/State Animal and Plant Regulatory Programs (USDA APHIS, State Departments of Agriculture, etc.) - Federal/State/Local Management Programs (National Park Service, California Department of Food and Agriculture, etc.) - Interagency Programs and Projects	3 Hours
IVS 220	Invasive Plant Survey Methods (Internet Topics, Field Studies) Detection, Delimiting, and Appraisal Survey Methods, Data Synthesis and Archival	4 Hours
IVS 221	Invasive Plant Control Methods (Internet Topics) Containment, Eradication and Control Methods, Equipment Operation, Care and Maintenance, Safety.	3 Hours
IVS 260	State Pesticide License Exam Preparation (Internet Course)	1 Hour
GIS 110	Introduction to GPS and GIS Mapping (Internet Course)	1 Hour
		Total Credits = 18 Hours

NOTE: Program Content is Subject to Change.

Date: August 14, 2011