

The **North Carolina Botanical Garden** is a university affiliated botanical garden with an outstanding reputation as a garden that integrates a conservation ethic into all of its programs. We are the region's most comprehensive center of knowledge on plants in North Carolina and the southeastern United States, and we provide a broad audience with inspirational experiences, opportunities for health and wellness through outdoor activities, and educational programs within a scientifically based institution. It is the Garden's vision to have a profound influence on how people value and interact with the environment and the biologically diverse world.

The Garden has this mission:

“To inspire understanding, appreciation, and conservation of plants in gardens and natural areas, and to advance a sustainable relationship between people and nature.”

The Certificate in Native Plant Studies expands this mission with its goal:

“To provide a well-balanced botany, ecology, and taxonomy curriculum that enables students to expand their knowledge and develop a greater appreciation of native flora of the southeastern United States.”

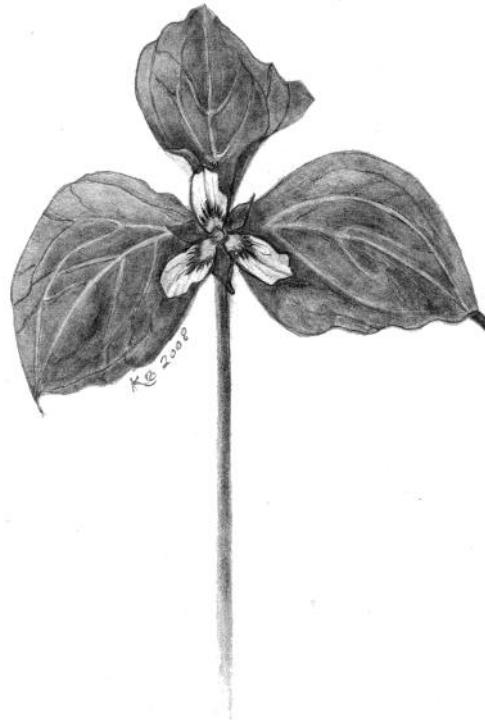
Course offerings follow the UNC semester course calendar:

- * Fall semester: September–December
- * Spring semester: January–June
- * Summer session: July–August

Courses are typically offered in a series of four classes, 3 hours per class. Fee for a 12-hour course is \$110 for NCBG members, \$125 for Public. Courses are listed in the NCBG *Newsletter* and on the Garden's website: www.ncbg.unc.edu

Maximum student enrollment for a course is between 12 and 20. Some courses require textbooks and additional class supplies.

Students must be at least 18 years of age in order to register for the certificate program.



This illustration is of painted trillium (*Trillium undulatum*), by Karen Burns, a graduate of the Certificate in Botanical Illustration Program.

The **North Carolina Botanical Garden** is a center for research, conservation and interpretation of plants, with special emphasis on plants native to the southeastern United States and horticultural plants having traditional uses or special botanical interest. The Garden's nearly 900 acres include: the Display Gardens and Piedmont Nature Trails, off of Old Mason Farm Road; Coker Arboretum and Battle Park, on the UNC campus; and the Mason Farm Biological Reserve, a 367-acre natural area.

North Carolina Botanical Garden
The University of North Carolina at Chapel Hill
Campus Box 3375
Chapel Hill, North Carolina 27599-3375

Phone 919-962-0522
Fax 919-962-3531
Web ncbg.unc.edu

11.15.2010

Certificate *in* Native Plant Studies



Illustration of Eastern coneflower (*Echinacea purpurea*) by Irena Brubaker, a graduate of the Certificate in Botanical Illustration Program.

**NORTH CAROLINA
BOTANICAL GARDEN**
THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

CERTIFICATE PROGRAM

The North Carolina Botanical Garden (NCBG) is pleased to offer the Certificate in Native Plant Studies. The certificate enhances the experience of the professional and dedicated amateur botanist and provides strong credentials for those involved in botanical, ecological, and conservation endeavors. Students graduating from this program will come away with botanical knowledge; an increased understanding of the native flora of the southeast United States; and a renewed appreciation for the natural beauty of plants.

The Certificate in Native Plant Studies is designed to provide students with a well-balanced curriculum combining basic scientific background and hands-on investigative opportunities. Classes are taught by NCBG staff, UNC professors, and other science professionals. Courses consist of lecture-style classroom sessions, outdoor field trips, field studies, and hands-on research project experience. For those in pursuit of professional employment in environmental science-related careers, the certificate will be a valuable résumé addition. Successful completion of the program requires passing grades in 8 core courses and 5 elective courses as well as completion of an independent project. Course offerings and scheduling are designed for graduation within a 3-to-5-year period.

CERTIFICATE PROGRAM

CURRICULUM

Core Courses

Courses are structured so that higher-level courses build upon lower-level courses, with minimal overlap of information. The **core courses** provide instruction in achieving academic proficiency and understanding of the concepts of ecology and plant conservation.

- ◇ Botany (18 hours)
- ◇ Flowering Plant Families (12 hours)
- ◇ Local Floras: Spring, Summer, Fall, or Winter (2 required for a total of 24 hours)
- ◇ Plant Communities of North Carolina (15 hours)
- ◇ Plant Ecology (12 hours)
- ◇ Plant Taxonomy (12 hours)
- ◇ Principles of Conservation Biology (12 hours)

Elective Courses

Elective courses offer development beyond the core courses, and the opportunity for supplemental academic knowledge and environmental science exploration. Specific courses are offered every one to two years. Some courses *may* require prerequisites.

- ◇ Applied Conservation Biology (12 hours)
- ◇ Beginning Drawing (14 hours)
- ◇ Dendrology: Trees of N.C. (12 hours)
- ◇ Bryophytes (12 hours)
- ◇ Ferns, Lycophytes, and Fern Allies (12 hours)
- ◇ Field Sketching (14 hours)
- ◇ Invasive Plants (12 hours)
- ◇ Lichens (12 hours)
- ◇ Native Grasses, Sedges, and Rushes (12 hours)
- ◇ Piedmont Savanna Ecology (12 hours)
- ◇ Pollination of Flowering Plants (12 hours)
- ◇ Rare Plants (12 hours)
- ◇ Soil Ecology (12 hours)

CURRICULUM

APPLICATION FORM

Certificate in Native Plant Studies

_____ *date*

_____ *name*

_____ *street address*

_____ *city*

_____ *state*

_____ *zip*

_____ *email address*

_____ *day phone*

_____ *alternate phone (cell, etc.)*

Are you a member of the Botanical Garden Foundation, the North Carolina Botanical Garden's non-profit support organization?

Yes No

If not, would you like us to send you a membership application?

Yes No

Please **enclose a one-time payment of \$75** to enroll in the Certificate in Native Plant Studies Program. Courses will entail an additional fee. Make check out to "NC Botanical Garden."

Mail completed form to :

North Carolina Botanical Garden
Education Department
UNC-Chapel Hill
Campus Box 3375
Chapel Hill, NC 27599-3375

For information, contact: Nancy Easterling,
Associate Director for Education, 919-962-9460,
easterli@email.unc.edu

Date _____ Pd. _____ Recorded _____

APPLICATION FORM