

CERTIFICATE PROGRAMS OUTLINE

Sarah P. Duke Gardens is pleased to offer three certificate programs designed for the life-long learner interested in gardening, natural history, or nature photography. Each certificate course is sufficiently rigorous to offer you challenge, increased skill, and expanded understanding of a topic that intrigues you. Enjoy.

These self-paced programs evolved from participant inquiries; they wanted a more complete understanding of a topic, and asked for a list of classes to meet their goals. Those lists became the basis for each certificate.

Each certificate includes required courses to give you a fundamental understanding of the certificate topic and elective courses that allow you to customize the program to meet your goals.

Instructors are experienced teachers with expertise in their field of study. Limited class size facilitates interaction among participants and instructors. Day, evening, and weekend class offerings help meet a variety of schedules.

You do not have to be enrolled in a certificate program to take a class. Everyone is welcome in certificate courses.

Sarah P. Duke Gardens: FALL 2011 PLANT SALE

Sat., Oct. 1, 9 am-noon / member preview at 8 am.

Fall is the best time for planting! Join us on the event lawn at the Doris Duke Center for a sale of specially selected unique plants grown here at Duke Gardens and others that have proven their worth in North Carolina. Garden members will have first access to purchase plants beginning at 8 am, before the public is admitted at 9 am. Further information available at gardens.duke.edu.



CERTIFICATE PROGRAMS OUTLINE

HOME HORTICULTURE CERTIFICATE PROGRAM

Look for this icon to identify Home Horticulture Certificate classes



Each garden is a unique combination of site, soil, climate, and the gardener who creates it. The Home Horticulture Certificate gives you the knowledge and skill to select plants successfully, and develop, grow and maintain your home landscape.

The curriculum assists you in mastering the gardening techniques best suited for North Carolina gardens through lectures, demonstrations, field experiences and design projects.

Enjoy learning from local experts and sharing your experiences with other gardeners.

Required courses:

- **Landscape Plants for North Carolina Gardens:** four seasonal courses with three or four-week schedules
- **Basic Botany and Plant Growth:** five-week course
- **Gardening 101:** four-week course
- **Caring for Your Landscape:** four-week course

Elective courses:

These courses change seasonally and four electives are the minimum required to complete your certificate. Electives are created in response to student requests, allowing students to pursue their specific interests.

Elective topics may include:

- **Landscape Design**
- **Sustainable Gardening**
- **Container Gardening**
- **Hardscape Installation**
- **Fruits and Vegetables**
- **Herbs and Cookery**
- **Irrigation Options**

CERTIFICATE PROGRAMS OUTLINE

MASTER NATURALIST CERTIFICATE PROGRAM

Look for this icon to identify Master Naturalist Certificate classes



The natural resources of North Carolina are among the most rich and diverse in the world. Learn the fascinating story about how our North Carolina environment was formed and the challenges it faces today. Marvel at the beauty of the Old North State while exploring its geology, flora, and fauna.

The program is directed to all levels of interest, from beginner to experienced naturalist.

Develop knowledge and skill about the functions of our natural world as you work through the program.

In response to student and instructor evaluations we have updated the certificate requirements. All continuing students will be credited for course work already completed.

Required courses:

- **The Ecology of Change:** Geology, Vegetation, Water Cycles and Human Impact are the focus of four courses meeting seasonally.
- **Basic Botany and Plant Growth:** five-week course
- **Field Studies: Local Flora:** Three seasonal courses; four-week schedules
- **Field Studies: Local Fauna:** Four seasonal courses; three-week schedules

Elective courses:

These courses change seasonally and two electives are the minimum required to complete your certificate. Electives are created in response to student requests, allowing students to pursue their specific interests.

Elective topics may include:

- **Mammals of North Carolina**
- **Ethnobotany**
- **Nature Writing**
- **Flowering Plant Families**
- **Nature Interpretation**
- **The Naturalist's Home Garden**
- **Recognizing Birds by Song**
- **Special topics: field trips**

CERTIFICATE PROGRAMS OUTLINE

NATURE PHOTOGRAPHY CERTIFICATE PROGRAM

Look for this icon to identify Nature Photography Certificate classes



Nature Photographers possess a unique blend of technical knowledge and artistic vision. Their skills illustrate nature and build appreciation and understanding of the natural world for us all. To share your love of nature – with an ability to capture it in an image – is exhilarating.

This certificate program helps refine and expand your knowledge of equipment, processes, composition, and methods while increasing your skill and awareness of the beauty of our natural world.

Photographers of all experience levels, from beginner to advanced, using any type of photo equipment (film or digital), are encouraged to enroll in this program.

Required courses:

- **Introduction to Nature Photography:** four-week course
- **History of Nature Photography:** three-week course
- **Learning to See in Nature:** four-week course
- **Improving Photo Quality:** four-week course
- **Photographing Plants:** four-week course
- **Curator Basics:** two-week course
- Three of the **Required Courses** from the Master Naturalist program

Elective courses:

These courses change seasonally and two electives are the minimum required to complete your certificate. Electives are created in response to student requests, allowing students to pursue their specific interests.

Elective topics may include:

- **Close-up Photography**
- **Photoshop for Nature Photographers**
- **Night Photography**
- **Using Light Effectively**
- **Composition Skills**

For more information or to enroll in a class or certificate program, please call the registrar's office at (919) 668-1707.