

Certificate in Native Plant Studies New England Wild Flower Society



New England Wild Flower Society's Certificate in Native Plant Studies offers committed students a comprehensive series of programs in the identification, cultivation, ecology, and conservation of Northeastern plants. With an emphasis on participatory learning, courses provide a supportive and challenging learning atmosphere. While there are no exams, there are opportunities for self-assessment. Students may complete the certificate at their own pace; there is no time requirement.

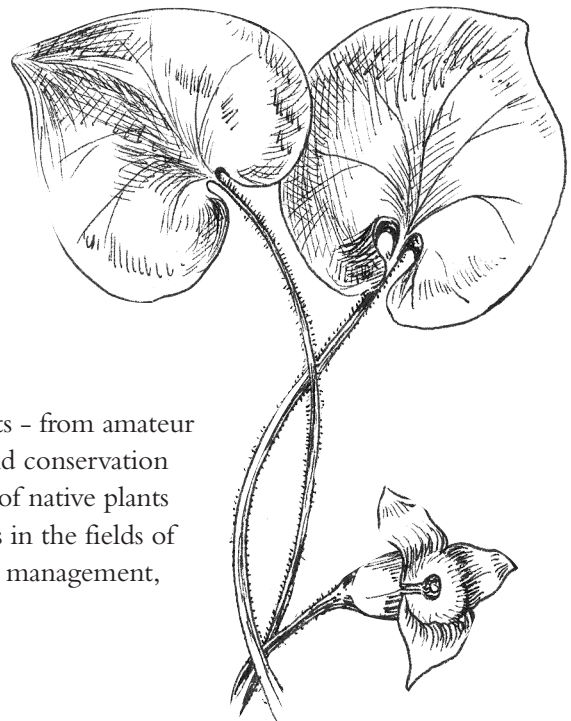
Participants can gain a greater appreciation and understanding of native plant habitats, common and rare species, conservation issues, and uses of native plants in horticulture and design. We hope that certified students will participate in on-going public and private efforts to preserve and restore native New England flora.

We offer four opportunities for concentrated study:

- **Certificate in Field Botany**
- **Certificate in Native Plant Horticulture and Design**

- **Advanced Certificate in Field Botany**
- **Advanced Certificate in Native Plant Horticulture and Design**

These certificates are appropriate for all interested students – from amateur botanists and gardeners, to green industry professionals and conservation activists. The knowledge and skills gained from the study of native plants can be applied to both volunteer and professional services in the fields of conservation and horticulture, as well as landscape design, management, and planning.



Certificate Registration Form

To enroll in the Certificate Program, please fill out the form below and enclose a check for \$30.00 for the one time registration fee. You may also contact the Registrar (see below) to pay with Visa/MC.

Membership in New England Wild Flower Society is separate from Certificate Program registration. However members receive up to a 20% discount on courses and educational programs. To become a member, call Membership Services at 508-877-7630 ext. 3802 or visit www.newenglandwild.org/support

Make checks payable to New England Wild Flower Society and mail to:

Certificate Program
New England Wild Flower Society
180 Hemenway Road
Framingham, MA 01701-2699

.....
Date: _____

Name: _____

Affiliation (if applicable): _____

Address: _____

City, State, Zip: _____

Phone (day) _____ (eve.) _____

E-Mail: _____

Which certificate are you most interested in pursuing?

- Certificate in Field Botany
- Advanced Certificate in Field Botany
- Certificate in Native Plant Horticulture and Design
- Advanced Certificate in Native Plant Horticulture & Design
- Undecided at this time

Have you taken courses previously with the Society that could be applied to the Certificate Program?

- Yes
- No

Certificate in Native Plant Studies inquiries should be directed to Registrar, 508-877-7630, ext. 3303, or lreed@newenglandwild.org.

Certificates in Native Plant Studies

How to Qualify: Course requirements for each area of concentration are listed below. The list of possible electives and field trips is too long to detail. Each certificate student will select and complete these courses under the guidance of the Education Director and in accordance with each student's interest and area of focus. In addition, each certificate program includes a minimum of 15 hours of service to the New England Wild Flower Society and its mission. A list of native plants which students will gain familiarity with in the course of completing the certificate program is also provided.

Field Botany

Core Courses *At least 6 required*

- Wildflowers of New England (10 hours)
- New England Native Shrubs (15 hours)
- Framework Trees of New England (15 hours)
- New England Plant Communities (15 hours)
- Botanic Inventory Methods (8-10 hours)
- Introduction to Plant Families (12-15 hours)
- Field Identification Techniques (12-15 hours)
- Plant Form & Function/Intro to Botany (15

hours)

Note: core courses can also be taken as electives

Electives *At least 4, such as:*

- Introduction to Grasses, Sedges, and Rushes
- Discovering Ferns
- Winter Twig Identification
- Wetland Plant Identification
- Invasive Plant Identification/ Control
- Aster and Goldenrod Identification

Botanical Field Trips *Choice of 5*

- Botanical Field Trips "FDT"
- Held in each New England state
- Variety of plant communities, from alpine to coastal, forest to wetland.

Native Plant Community Service

15 hours of documented service as:

- Plant Conservation Volunteer (PCV)
- Sanctuary work
- Local Project of your choice

Checklist of Native Plants

See <http://www.newenglandwild.org/learn/more-ways-to-learn/student-resources/>

Native Plant Horticulture & Design

Core Courses *At least 6 required*

- Wildflowers of New England (10 hours)
- New England Native Shrubs (15 hours)
- Native Herbaceous Plants-Early & Late (15 hours)
- Native Woody Plant Materials (10 hours)
- Horticultural Techniques (15 hours)
- Residential Landscape Design (15 hours)
- Plant Form & Function/Intro to Botany (15 hours)

Note: core courses can also be taken as electives

Electives *At least 4, such as:*

- Pruning Fundamentals
- Wildflower Propagation I & II
- Specialized Propagation Workshops
- Alternatives to Invasive Plants
- Design and Plant a Native Mixed Border

Horticultural & Design Field Trips *Choice of 5*

- Horticultural & Design Trips "HDT"
- Horticulture courses that include site visits
- Botanical Field Trips to natural Communities

Native Plant Community Service

15 hours of documented service as:

- Volunteer at Garden in the Woods
- Volunteer at Nasami Farm Nursery
- Local project of your choice

Checklist of Native Plants for Horticulture

See <http://www.newfs.org/learn/certificate/hort-and-design.html>

Advanced Certificates in Native Plant Studies

The Advanced Certificate program is designed for students working in the professional arena or for those who wish to pursue further course work in their field of interest. The Advanced Certificate includes additional core courses, electives and field trips, as well as a Plant Community Service Leadership Project conducted under the guidance of the Director of Education at the New England Wild Flower Society. Examples of such projects include publications, design and installation of community wildflower gardens, teaching, and field research. A list of native plants which students will gain familiarity with in the course of completing the advanced certificate program is also provided.

Advanced Certificate in Field Botany

Core Courses *At least 3 required*

- Field Identification Techniques (12-15 hours)
(or higher level field ID course)
- Introduction to Wetland Delineation (14 hours)
(or higher level delineation course)
- Advanced Plant Inventory Techniques (14 hours)
- Plant Systematics I, II, III, IV, V (15 hours)
(at least four of the five offered)
- Conservation Biology (10 hours)
- Specialized Plant Systematics Workshops
(at least three of various offered, 9-12 hours

total)

Note: core courses can also be taken as electives

Electives *At least 4, such as:*

- Wildflowers in Fall
- Shrubs in Winter
- Pollination Ecology Workshop
- Survey of Grasses of the Northeast
- Core courses not used for core credit

Botanical Field Trips *At least 4 required*

Choose from:

- Botanical Field Trips "FDT"
- Held at sites across New England
- Focusing on plant identification and understanding plant communities

Plant Community Service Leadership Project

At least 25 hours

Advanced Checklist of Native Plants

See <http://www.newenglandwild.org/learn/more-ways-to-learn/student-resources/>

Advanced Certificate in Native Plant Horticulture & Design

Core Courses *At least 3 required*

- Native Plant Materials for Professionals (12 hours)
- New England Plant Communities (15 hours)
- Sustainable Landscape Design (14 hours)
- Ecological Landscaping Techniques (14 hours)
- Professional Design Seminars or Symposia,
(at least two of various offered, 9-12 hours total)

Electives *At least 4, such as:*

- Planting Techniques for Trees and Shrubs
- Assessing Tree Health and Structure
- Native seed Propagation Workshop
- Core courses not used for core credit

Horticultural & Design Field Trips *At least 4*

Choose from:

- Horticultural & Design Tours "HDT"
- Electives that include site visits (see catalog)
- Botanical Field Trips "FDT" with reference to natural communities

Plant Community Service Leadership Project

At least 25 hours

Advanced Checklist of Native Plants for Horticulture

See <http://www.newfs.org/learn/certificate/hort-and-design.html>