

FALL/WINTER 2015

NEW ENGLAND
WILD
FLOWER
SOCIETY



learn+grow

THE PROGRAMS OF NEW ENGLAND WILD FLOWER SOCIETY



*Conserving and promoting
New England's native plants
to ensure healthy, biologically
diverse landscapes*

The mission of New England Wild Flower Society is to conserve and promote the region's native plants to ensure healthy, biologically diverse landscapes.

Founded in 1900, the Society is the nation's oldest plant conservation organization and a recognized leader in native plant conservation, horticulture, and education.

The Society has its headquarters at Garden in the Woods, a renowned native plant botanic garden in Framingham, Massachusetts, that attracts visitors from all over the world. From this base, 25 staff and 750 volunteers work throughout New England to monitor and protect rare and endangered plants, collect and preserve seeds to ensure biological diversity, detect and control invasive species, conduct research, and offer a range of educational programs.

The Society also operates a native plant nursery at Nasami Farm in western Massachusetts and has eight sanctuaries in Maine, Massachusetts, New Hampshire, and Vermont that are open to the public.



NEW ENGLAND WILD FLOWER SOCIETY
180 Hemenway Road, Framingham, MA 01701
T 508-877-7630 F 508-877-3658
TTY 508-877-6553
registrar@newenglandwild.org
www.newenglandwild.org

Volume 8, Number 2, Fall/Winter 2015

Learn + Grow is published twice a year by New England Wild Flower Society. Members receive discounts on all programs. Annual membership dues start at \$40 for individuals. See page 29 for information.

Copyright© 2015 New England Wild Flower Society®. All rights reserved. No material in this publication may be reproduced or used in any way without written consent. For permission, contact Editor, New England Wild Flower Society, 180 Hemenway Road, Framingham, MA 01701.

Printed on recycled paper.

This publication was made possible through the generosity of Jackie and Tom Stone.

On the Cover

Larix laricina (American larch)

Photo by Jean Baxter, New England Wild Flower Society

Continuing Education Units (CEUs)

Many of our programs qualify for continuing education units. Look for a list of CEUs under the program descriptions.

AOLCP - Northeast Organic Farming Association Accredited Organic Land Care Professionals

CFE - Society of American Foresters' Continuing Forestry Education

ISA - International Society of Arboriculture

MCH - Massachusetts Certified Horticulturist

MCA - Massachusetts Certified Arborist

Visit www.newenglandwild.org/programs for the most up-to-date information on programs qualifying for CEUs.

contents

Date	Program	State	Page		
CERTIFICATES IN NATIVE PLANT STUDIES			3		
9/30	Certificate Orientation	MA	3		
SNOWSHOE TOURS			5		
1/9	The Winter Garden	MA	5		
1/23	Winter Warm Up	MA	5		
2/13	Winter World Exploration	MA	5		
2/27	Frozen Flora	MA	5		
URBAN GARDENING SERIES			7		
11/14	Putting Your Garden to Bed	MA	7		
1/10	Water Conservation in the Garden	MA	7		
2/20	Gardening for Pollinators	MA	7		
3/6	Growing Plants from Seed	MA	7		
4/2	Managing Invasive Species	MA	7		
HORTICULTURE + GARDENING			9		
9/21	Native Woody Plant Materials	MA	9		
9/27	Native Plants in Urban Design	MA	9		
10/3	Measuring Soil Health and Managing Site Challenges in an Urban Landscape	MA	9		
10/4	Sustainable Wild Foraging	MA	10		
11/10	Horticultural Techniques	MA	10		
11/7	Bringing Home the Forest	MA	11		
11/13	Native Arrangements	MA	11		
2/9	Residential Landscape Design	MA	11		
2/10	Understanding and Managing Soils	MA	12		
3/12	Transforming Your Yard into Habitat	MA	12		
3/13	Kill Your Lawn	MA	13		
3/15	Native Edibles	MA	13		
4/28	Native Herbaceous Plant Materials: Early Season	MA	13		
4/30	Low Maintenance Design With Native Plants	MA	14		
6/5	Native Plants for Professionals	MA	14		
7/12	Landscape for Life	MA	14		
7/20	Native Herbaceous Plant Materials: Late Season	MA	14		
BOTANY + CONSERVATION					15
9/10	Native New England Shrubs	MA	15		
9/21	Field Identification Techniques	MA	15		
9/22	Habitat Wildlife Sanctuary	MA	16		
9/23	Introductory to Botany	MA	16		
9/27	Ferns of Limerock	RI	16		
10/1	Plant Form and Function	MA	17		
10/6	Framework Trees of New England	MA	17		
10/10	From Tree to Table	MA	17		
10/11	Fall in the Bog	NH	18		
10/16	Invasive Plants: Identification, Documentation, and Control	MA	18		
10/18	Identifying Trees by Their Bark	NH	19		
10/25	Climate Change and Assisted Migration: Ultimate Solution or Bad Idea?	MA	19		
11/8	Exploring Swamp Trees at Nasami Farm	MA	20		
	New England Plant Diversity Sessions 1-5	MA	21		
12/5	Bare Trees and Naked Shrubs	MA	22		
1/6	The World of Plant Genetics	MA	22		
1/16	Killer Plants	MA	23		
1/17	Conservation Biology	MA	23		
1/23	Bare Trees and Naked Shrubs	MA	22		
1/30	Winter Botany	MA	24		
1/30	Maple Sugaring	MA	24		
2/3	Wetland Shrubs in Winter	MA	25		
2/26	Fire on the New England Landscape	MA	25		
3/3	Introduction to Prescribed Fire	MA	26		
4/26	Wildflowers of New England	MA	26		
4/27	Wildflowers of New England	MA	26		
6/1	Native New England Shrubs	MA	15		
6/10	New England Plant Communities	MA	27		
7/6	Introduction to Plant Families	MA	27		
8/11	Botanic Inventory Methods	MA	27		
CHILDREN + FAMILIES					28
4/3	Salamander Celebration	MA	28		
5/21	Vernal Pools are Cool	MA	28		
	Become a Member				29
	Registration Policies				29
	How to Register				30
	Travel to China				31



certificates in native plant st

Whether you are interested in taking classes for fun, to add breadth and depth to your existing knowledge and skills, or to advance your career, our self-paced certificate programs in Native Plant Studies offer a unique opportunity to learn about the region's flora.

Students enrolled in our programs in Field Botany and Horticulture and Design learn about identifying, cultivating, and conserving native New England plants. They also gain a greater appreciation for native plants' ecological importance and actively participate in their preservation and restoration. We offer Basic and Advanced certificates; to enter the Advanced program, students must have completed the Basic Certificate or have enough experience to qualify for one.

CERTIFICATE ORIENTATION

Join Jessica Pederson, Director of Public Programs for New England Wild Flower Society, and certificate program graduates to learn about the curriculum and structure of the Society's Certificate in Native Plant Studies programs. Everyone is welcome at this free presentation. Preregistration is requested, but not required.

Wednesday, September 30, 6:30-8 p.m.

Garden in the Woods, Framingham, MA

FIELD BOTANY

Basic Curriculum

Eight Core Courses (all are required)

- Plant Form and Function or Introduction to Botany
- Introduction to Plant Families
- New England Plant Communities
- Wildflowers of New England
- Framework Trees of New England
- Native New England Shrubs
- Field Identification Techniques
- Botanic Inventory Methods

Four Elective Classes

Four Botanical Field Studies

Fifteen Hours of Community Service

Students may volunteer with the Society or with a native plant or plant conservation-oriented organization.

Advanced Curriculum

Five Core Courses (all are required)

- Conservation Biology
- New England Plant Diversity Sessions 1-5
- Advanced Plant Inventory Techniques
- Invasive Plants: Identification, Documentation, and Control
- Basic Wetland Identification and Delineation

Four Elective Classes

Three Botanical Field Studies

Two Plant Diversity Workshops

Twenty-five Hours of Community Service

Students must complete a Native Plant Community Service Leadership Project. Projects must benefit the community and further the Society's mission.



ENROLL NOW!

Complete the certificate registration form on page 30 of this catalog or visit us online at www.newenglandwild.org/learn/certificate to learn more. There is a one-time certificate enrollment fee of \$30. Join the Society to receive discounts on programs.

CERTIFICATE CREDIT KEY

FB=Field Botany basic

Adv.FB=Field Botany advanced

HD=Horticulture and Design basic

Adv.HD=Horticulture and Design advanced

Field=botanical, horticultural, or design field study

Core=Core Courses

Elective=Elective Classes

PDW=Design or Plant Diversity Workshop

HORTICULTURE AND DESIGN

Basic Curriculum

Nine Core Courses (all are required)

- Residential Landscape Design
- Horticultural Techniques
- Understanding and Managing Soils
- Plant Form and Function
- Wildflowers of New England
- Native Herbaceous Plant Materials: Early Season
- Native Herbaceous Plant Materials: Late Season
- Native Woody Plant Materials
- Native New England Shrubs

Four Elective Classes

Four Horticulture and Design Field Studies

Fifteen Hours of Community Service

Students may volunteer with the Society or with a native plant or plant conservation-oriented organization.

Advanced Curriculum

Four Core Courses (all are required)

- Landscape for Life
- Native Plants for Professionals
- New England Plant Communities
- Invasive Plants: Identification, Documentation, and Control

Four Elective Classes

Three Horticulture and Design Field Studies

Two Design Workshops

Twenty-five Hours of Community Service

Students must complete a Native Plant Community Service Leadership Project. Projects must benefit the community and further the Society's mission.

snowshoe tours

Come explore Garden in the Woods by snowshoe! Learn about winter tree identification, gardening, wildlife, and more. Please bring your own snowshoes and dress for the weather.

THE WINTER GARDEN

In winter, Garden in the Woods takes on an entirely different look, so come experience it on snowshoes. With the leaves off the shrubs and trees, their form and structure stand out, and the light playing through bare branches makes beautiful patterns on the forest floor. Learn tips for extending garden interest throughout the seasons.

Saturday, January 9, 10-11:30 a.m.

Program Code: HDT1605

Instructor: Anna Fialkoff, Horticulturist, New England Wild Flower Society

Fee: \$14 (Member) /\$16 (Nonmember)

Limit: 14

Cosponsor: Mass Audubon

Certificate: Elective: HD/Adv.HD

WINTER WARM UP

Heat up your cold bones on a snowshoe tour of Garden in the Woods while learning about the Garden's fascinating history and finest winter plants. After the tour, we will gather around the Fire Ball in the center of the Idea Garden and warm up with hot cocoa, tea, and treats.

Saturday, January 23, 10-11:30 a.m.

Program Code: HDT1606

Instructor: Anna Fialkoff, Horticulturist, New England Wild Flower Society

Fee: \$14 (Member) /\$16 (Nonmember)

Limit: 18

Cosponsor: Mass Audubon

Certificate: Elective: HD/Adv.HD

WINTER WORLD EXPLORATION

Take a vacation from hibernation with a child-focused snowshoe walk through Garden in the Woods. Experience the beauty of New England while learning to read wildlife cues such as animal tracks, bird calls, and tree silhouettes. We will conclude our journey by gathering around the Fire Ball in the center of the Idea Garden to thaw our paws and drink hot cocoa. Families welcome, children must be accompanied by an adult.

Saturday, February 13, 10-11:30 a.m.

Program Code: FAM1607

Instructor: Michael R. Piantedosi, NEPCoP/Seed Bank Coordinator

Fee: \$14 (Member) /\$16 (Nonmember)

Limit: 15

FROZEN FLORA

Endure the freeze with ease as we snowshoe through the Garden. This trek offers an up-close look at New England's native trees and herbaceous plants. In the absence of the blazing blooms of summer color, you will appreciate the quiet beauty of buds, bark, and pods all the more.

Saturday, February 27, 10-11:30 a.m.

Program Code: FDT1608

Instructor: Michael R. Piantedosi, NEPCoP/Seed Bank Coordinator

Fee: \$14 (Member) /\$16 (Nonmember)

Limit: 10



urban gardening series

The Urban Gardening Series is a set of classes designed to help city dwellers grow healthy, sustainable, and beautiful urban gardens. Led by Society staff in partnership with the Cambridge Conservation Commission, these free classes take place at the Cambridge Public Library, Cambridge, MA.

PUTTING YOUR GARDEN TO BED

Wondering when to cut back your perennials and how long into autumn you can plant or prune perennials, trees, and shrubs? Anna Fialkoff will discuss the steps to transitioning your garden into winter dormancy and guide you through a timeline for what to do when.

Saturday, November 14, 10:30 a.m.-12 p.m.

Program Code: LEC6550

Instructor: Anna Fialkoff, Horticulturist

WATER CONSERVATION IN THE GARDEN

All gardeners aim to beautify the world. But we also have a responsibility to ensure that our actions contribute to, rather than detract from, the environment. Learn how water conservation practices can help you to create beautiful garden spaces without wasting precious water resources.

Sunday, January 10, 10:30 a.m.-12 p.m.

Program Code: LEC6551

Instructor: Mark Richardson, Horticulture Director

GARDENING FOR POLLINATORS

Native plants are not only beautiful, they are undoubtedly the best source of food for pollinators, because plants and their pollinators evolved together. Covering everything from understanding how to attract specific pollinators to finding the right plants, this class will

help you turn your garden into a pollinator sanctuary.

Saturday, February 20, 10:30 a.m.-12 p.m.

Program Code: LEC6552

Instructor: Dan Jaffe, Propagator and Stock Bed Grower

GROWING PLANTS FROM SEED

Plants grown from seed have greater genetic diversity, are better adapted to their environment, and are less expensive to produce. In this class you will learn when and how to collect seeds in the wild; how to collect, clean, and store them; and how to sow and tend for them. Emphasis will be placed on species that can be grown easily and without fancy equipment or large investments of time.

Sunday, March 6, 10:30 a.m.-12 p.m.

Program Code: LEC6553

Instructor: Dan Jaffe, Propagator and Stock Bed Grower

MANAGING INVASIVE SPECIES

Invasive plants displace native flora in home and natural landscapes, impacting the diversity of native plant species and affecting the pollinators and other wildlife that depend on them. Learn how to best control invasive plant species to ensure the health and survival of native plant communities.

Saturday, April 2, 10:30 a.m.-12 p.m.

Program Code: LEC6554

Instructor: Amanda Weise, Ecological Programs Coordinator



NATIVE WOODY PLANT MATERIALS

Explore the huge variety of native trees, shrubs, and woody vines. Learn which species grow well in shade, which support local wildlife, and how you should stagger your plantings for continuous bloom, fruit production, and fall color. We'll discuss growth characteristics, cultural requirements, and best horticultural uses. The course will include lectures and walks in the Garden as well as a field trip to The Arnold Arboretum. Bring a bag lunch.

Monday, September 21, 10 a.m.-2:30 p.m.

Wednesday, September 23, 11 a.m.-1 p.m.

Saturday, September 26, 10 a.m.-2:30 p.m.

Garden in the Woods, Framingham, MA, and The Arnold Arboretum, Jamaica Plain, MA

Program Code: HOR1100

Instructor: Dan Jaffe, Propagator and Stock Bed Grower, New England Wild Flower Society

Fee: \$170 (Member) /\$200 (Nonmember)

Limit: 16

Certificate: Core: HD; Elective: Adv.HD

CEU: 4 AOLP; 2MCLP; .5 MCH

NATIVE PLANTS IN URBAN DESIGN

Visit three residential sites in Worcester that feature native plants in landscape designs. You will discuss the challenges and benefits of using native plants in urban landscapes and evaluate the designs based on the clients' goals, spatial limitations, and integration with existing plants. You will have an opportunity to create a plant list for an existing urban space.

Sunday, September 27, 10 a.m.-12 p.m.

Worcester, MA

Program Code: HDT2024

Instructor: Amy Nyman, Landscape Designer and Owner, Ruby Leaf Design

Fee: \$24 (Member) /\$28 (Nonmember)

Limit: 16

Certificate: Field: HD/Adv.HD

CEU: 1 MCLP; applied MCH

MEASURING SOIL HEALTH AND MANAGING SITE CHALLENGES IN AN URBAN LANDSCAPE

This hands-on, indoor/outdoor workshop introduces the concept of the soil health assessment and the implementation of soil health indicators for evaluating the biological, chemical, and physical attributes of soil as they pertain to the constraints of a site. Use of these soil health indicators will help landscape architects, garden designers, arborists, and landscape professionals determine the appropriate products, tools, equipment, and techniques needed to correct soil constraints and to develop a seasonal maintenance plan for a newly installed landscape, from installation to establishment and on to maturity. Bring a bag lunch.

Saturday, October 3, 9 a.m.-3:30 p.m.

Garden in the Woods, Framingham, MA

Program Code: HOR3802

Instructor: Chuck Sherzi, Jr., Horticulturist, Sherzi & Company, LLC, Fine Garden Maintenance

Fee: \$86 (Member) /\$104 (Nonmember)

Limit: 30

Certificate: Elective: HD/Adv.HD

Cosponsor: Ecological Landscape Alliance

CEU: 2 MCLP; 1 MCA; applied AOLCP and MCH





SUSTAINABLE WILD FORAGING

Whether you are preparing for the zombie apocalypse or simply enjoy nibbling while hiking, join Dan Jaffe for a rundown on the wild foods you can find in the woodlands and meadows of New England. Issues of sustainability, time of harvest, preparation, and recipes will be covered. Bring a bag lunch.

Sunday, October 4, 10 a.m.-2 p.m.

Garden in the Woods, Framingham, MA, and field sites

Program Code: HOR5016

Instructor: Dan Jaffe, Propagator and Stock Bed Grower, New England Wild Flower Society

Fee: \$53 (Member) /\$64 (Nonmember)

Limit: 20

Certificate: Elective: HD/Adv.HD

CEU: applied AOLCP

HORTICULTURAL TECHNIQUES

Good horticultural practices form the backbone of any successful garden. Understanding how to apply these practices is the first step toward becoming a horticulturist. Learn how to select the right plant for the right place and how to plant and care for native plants. Students will learn the proper techniques for transplanting, soil preparation, mulching, watering, pruning, maintenance, winterizing the garden, and preparing it for spring. Bring a bag lunch.

Tuesdays, November 10, 17, 24, 10 a.m.-3 p.m.

Garden in the Woods, Framingham, MA

Program Code: HOR3600

Instructor: New England Wild Flower Society Horticulture Staff

Fee: \$231 (Member) /\$272 (Nonmember)

Limit: 16

Certificate: Core: HD; Elective: Adv.HD

CEU: applied AOLCP and MCH

BRINGING HOME THE FOREST

Have you ever stopped to admire the thick moss covering an old stump in the woods, or relaxed next to a trickling stream? From the lush growth of Pennsylvania sedge to the fragrance of hay-scented fern, the rich vegetation of New England forests inspires us in innumerable ways. Now you can learn how to incorporate elements of the forest into your own home garden. Emphasis will be placed on choosing low-maintenance plants with great ecological value. Bring a bag lunch.

Saturday, November 7, 10 a.m.-2 p.m.

Garden in the Woods, Framingham, MA, and Sudbury Reservoir, Southborough, MA

Program Code: HOR1525

Instructor: Dan Jaffe, Propagator and Stock Bed Grower, New England Wild Flower Society

Fee: \$53 (Member) /\$64 (Nonmember)

Limit: 60

Certificate: Elective: HD/Adv.HD

CEU: applied AOLCP

NATIVE ARRANGEMENTS

Join Anna Fialkoff in using plant materials gathered from Garden in the Woods to create a beautiful arrangement for your home or a centerpiece for your Thanksgiving table. First, we will hike into the Garden to learn best practices for collecting plant materials, and then we'll head back to the classroom to create a unique display piece. Bring pruners and a container or vase for your arrangement.

Friday, November 13, 1-3 p.m.

Garden in the Woods, Framingham, MA

Program Code: HOR2903

Instructor: Anna Fialkoff, Horticulturist, New England Wild Flower Society

Fee: \$30 (Member) /\$36 (Nonmember)

Limit: 14

Certificate: Elective: HD/Adv.HD

Cosponsor: Mass Audubon



RESIDENTIAL LANDSCAPE DESIGN

This multisection course, appropriate for beginners, tackles the different aspects of the landscape design process. Workshop sessions will focus on design methods using site-analysis techniques and schematic design tools. You will consult with the instructor and work on a project of your own choosing. Discussions about plants and habitat will be interspersed with lectures on design principles, including criteria for making plant choices and determining placement in the landscape. A list of required materials will be provided at the first class.

Tuesdays, February 9, 16, 23, March 1, 8, 15, 22, 6-8 p.m.

Garden in the Woods, Framingham, MA

Program Code: HOR4002

Instructor: Karen Sebastian, Principal, Karen Sebastian, LLC, Landscape Architecture

Fee: \$215 (Member) /\$254 (Nonmember)

Limit: 12

Certificate: Core: HD; Elective: Adv.HD

CEU: applied MCH

horticulture + gardening

UNDERSTANDING AND MANAGING SOILS

Whether you are an experienced gardener or a novice, this class will help you develop a better understanding of the importance of soil to your garden. Learn how to evaluate and improve your garden's soil, how to choose the right plants for your soil conditions, and how to maintain soil health and fertility through organic practices. Bring a bag lunch.

**Wednesdays, February 10, 17, 24,
10 a.m.-1:30 p.m.**

Garden in the Woods, Framingham, MA

Program Code: HOR3904

Instructor: Mark Richardson, Horticulture Director, New England Wild Flower Society

Fee: \$138 (Member) /\$163 (Nonmember)

Limit: 16

Certificate: Core: HD/Adv.HD; Elective: all certificates

CEU: applied AOLCP and MCH

TRANSFORMING YOUR YARD INTO HABITAT

Learn what you can do to support pollinators and other wildlife in your yard to counteract increased pressures from habitat loss. This class will encourage thinking about a garden from an ecological biodiversity perspective, as Daphne Minner shares practical advice gleaned from the transformation of her urban yard into productive habitat.

Saturday, March 12, 1-3 p.m.

Garden in the Woods, Framingham, MA

Program Code: HOR2011

Instructor: Daphne Minner, gardener and author

Fee: \$26 (Member) /\$32 (Nonmember)

Limit: 20

Certificate: Elective: HD/Adv.HD

CEU: applied AOLCP and MCH



KILL YOUR LAWN

According to NASA, in the United States more surface area is covered by lawn than by any other single irrigated crop. Lawns are resource-heavy, requiring irrigation, fertilizer, and pesticides to thrive in our climate. Learn why you should “kill your lawn” and how to replace it with beautiful and environmentally friendly native plantings. Bring a bag lunch.

Sunday, March 13, 9 a.m.-3 p.m.

Garden in the Woods, Framingham, MA

Program Code: HOR4102

Instructor: Mark Richardson, Horticulture Director, New England Wild Flower Society

Fee: \$75 (Member) /\$91 (Nonmember)

Limit: 30

Certificate: Elective: HD/Adv.HD

Cosponsor: Mass Audubon

CEU: applied AOLCP and MCH

NATIVE EDIBLES

Wild edibles are all around us, and whether you are interested in eating healthfully or sustainably, or just for enjoyment, knowing how to recognize and prepare native edibles is a fun and useful skill. Join Dan Jaffe to explore the numerous woodland and meadow plants you can cultivate in your home garden. We will discuss preparation and provide recipes.

Tuesday, March 15, 6:30-8 p.m.

Taunton, MA

Program Code: HOR6019

Instructor: Dan Jaffe, Propagator and Stock Bed Grower, New England Wild Flower Society

Fee: \$20 (Member) /\$24 (Nonmember)

Limit: 50

Certificate: Elective: all certificates

Cosponsor: South Coast Innovator Labs

CEU: applied AOLCP and MCH



NATIVE HERBACEOUS PLANT MATERIALS: EARLY SEASON

Discover numerous native perennials suitable for New England gardens. We'll look at native herbaceous plants that bloom in spring and early summer, focusing on how to use them effectively to create beautiful landscapes and gardens. Be prepared to walk in the Garden each day. This class is appropriate for landscape professionals and avid home gardeners. It is a companion to Native Herbaceous Plant Materials: Late Season, but can be taken separately.

**Thursdays, April 28, May 12, June 9,
Tuesday, May 24, 1-3:30 p.m.**

Garden in the Woods, Framingham, MA

Program Code: HOR1000

Instructor: Jessie Panek, landscape designer

Fee: \$154 (Member) /\$182 (Nonmember)

Limit: 12

Certificate: Core: HD; Elective: Adv.HD

CEU: 2 MCLP; applied AOLCP and MCH

LOW-MAINTENANCE DESIGN WITH NATIVE PLANTS

Using strategies based on the observation and emulation of naturally existing plant communities, landscape designer Owen Wormser will share techniques for creating beautiful, low-maintenance gardens. Learn how to design a unique space and discover the functional and aesthetic qualities of native plants. In this interactive format, you are encouraged to bring your ideas, along with photographs, plans, or sketches of your own property.

Saturday, April 30, 1-4 p.m.

Nasami Farm Nursery, Whately, MA

Program Code: HOR4044

Instructor: Owen Wormser, Principal, Abound Design

Fee: \$40 (Member) /\$48 (Nonmember)

Limit: 16

Certificate: Elective: HD/Adv.HD

Cosponsor: Hitchcock Center for the Environment

CEU: applied AOLCP and MCH

NATIVE PLANTS FOR PROFESSIONALS

Join Dan Jaffe to learn about the best native plant materials available today for use in the design and landscape trades. Covering everything from plants for tough spots to specialty plants for specific habitats, this class will add a host of less familiar native species to your plant palette.

Sundays, June 5, 12, 10 a.m.-3 p.m.

Garden in the Woods, Framingham, MA

Program Code: HOR1200

Instructor: Dan Jaffe, Propagator and Stock Bed Grower, New England Wild Flower Society

Fee: \$162 (Member) /\$190 (Nonmember)

Limit: 20

Certificate: Core: Adv.HD; Elective: HD

Cosponsor: Ecological Landscape Alliance

CEU: 2 MCLP; applied AOLCP and MCH

LANDSCAPE FOR LIFE

This intensive introductory course will provide you with the knowledge, skills, and understanding to create a great-looking garden that is healthier for you, your family, and the environment. This class is based on the principles of the Sustainable Sites Initiative, the nation's first rating system for sustainable landscapes. Bring a bag lunch.

Tuesdays, July 12, 19, 26, August 2, 9 a.m.-12 p.m.

Garden in the Woods, Framingham, MA

Program Code: HOR3720

Instructor: Mark Richardson, Horticulture Director, New England Wild Flower Society

Fee: \$185 (Member) /\$218 (Nonmember)

Limit: 16

Certificate: Core: Adv.HD; Elective: HD

Cosponsor: Ecological Landscape Alliance

CEU: applied AOLCP and MCH

NATIVE HERBACEOUS PLANT MATERIALS: LATE SEASON

Discover numerous native perennials suitable for New England gardens. We'll look at native herbaceous plants that bloom in late summer and fall, focusing on how to use them effectively to create beautiful landscapes and gardens. Be prepared to walk in the Garden each day. This class is appropriate for landscape professionals and avid home gardeners. It is a companion to Native Herbaceous Plant Materials: Early Season, but may be taken separately.

Wednesdays, July 20, August 24, 1-3:30 p.m.

Garden in the Woods, Framingham, MA

Program Code: HOR1050

Instructor: Jessie Panek, landscape designer

Fee: \$77 (Member) /\$91 (Nonmember)

Limit: 12

Certificate: Core: HD; Elective: Adv.HD

CEU: 2 MCLP; applied AOLCP and MCH



NATIVE NEW ENGLAND SHRUBS

Shrubs vary widely in size, shape, color, bark, flower, and fruit. This course will introduce you to almost fifty species of native New England shrubs, emphasizing plant identification, family characteristics, and historical plant uses. Bring a hand lens. Weekend sessions are held in off-site locations; directions will be provided during the first class.

Garden in the Woods, Framingham, MA, and field sites

Instructor: Roland “Boot” Boutwell, naturalist

Fee: \$200 (Member) /\$250 (Nonmember)

Limit: 16

Certificate: Core: FB/HD; Elective: all certificates

CEU: 4 AOLCP; 2 MCLP; applied MCH

Choose one of two sections:

Thursdays, September 10, 17, 24,
6:30-8:45 p.m.; Saturdays, September 12, 19,
9 a.m.-1:30 p.m.

Program Code: BOT3300

Wednesdays, June 1, 8, 15, 6:30-8:45 p.m.
Saturdays, June 4, June 11, 9 a.m.-1:30 p.m.

Program Code: BOT3301

FIELD IDENTIFICATION TECHNIQUES

Equip yourself with the skills and confidence you need to identify native plants in the field. Learn how to use field guides and professional keys, observe floral structures, recognize reliable family characteristics, and become familiar with botanical Latin. This course is designed for students who have taken the Society’s Wildflowers of New England course or have some previous experience identifying wildflowers. Bring a hand lens and a bag lunch.

Mondays, September 21, 28, October 5, 1-5 p.m.

Garden in the Woods, Framingham, MA

Program Code: BOT2008

Instructor: Leslie Duthie, botanist

Fee: \$185 (Member) /\$218 (Nonmember)

Limit: 16

Certificate: Core: FB; Elective: all certificates

CEU: applied AOLCP

HABITAT WILDLIFE SANCTUARY

The Habitat Education Center and Wildlife Sanctuary is a 90-acre urban oasis devoted to environmental education. Join us as we explore its deciduous and evergreen forests, meadows, pond, vernal pool, and a beautiful wildflower garden designed many years ago by Will Curtis, founder of Garden in the Woods. We'll focus on autumn flowers, fruits, and a good measure of natural history. Bring a bag lunch and a hand lens if you have one.

Tuesday, September 22, 10 a.m.-2 p.m.

Habitat Audubon Sanctuary, Belmont, MA

Program Code: FDT2067

Instructor: Roland "Boot" Boutwell, naturalist

Fee: \$38 (Member) /\$46 (Nonmember)

Limit: 16

Certificate: Field: FB/Adv.FB

CEU: applied AOLCP

INTRODUCTION TO BOTANY

Learn botany from dedicated instructor and plant nomenclature specialist Kanchi Gandhi. Among the topics to be explored: plant cells and tissues, anatomy and morphology, reproduction, nutrition, growth and development, plant diversity, evolution, classification, and nomenclature. This course, which offers both lecture and laboratory activities, will introduce botany to new students or serve as a refresher course. Required text: *Botany for Gardeners* by Brian Capon.

Tuesdays, September 23, 30, October 7, 14, 21, 28, November 4, 18, 6:30-8:30 p.m.

Harvard University Herbaria, Cambridge, MA

Program Code: BOT1010

Instructor: Kanchi N. Gandhi, Botanist, Harvard University Herbaria

Fee: \$225 (Member) /\$270 (Nonmember)

Limit: 20

Certificate: Core: FB/HD; Elective: all certificates

Cosponsor: The Arnold Arboretum of Harvard University

CEU: 1 MCLP; 1 MCA

FERNS OF LIMEROCK

Beautiful and flowerless, ferns are among the most ancient plants in the world. Join Don Lubin at the North Central Conservation Area to examine these ancient plants firsthand. You'll encounter more than 25 different species of common and rare ferns as well as club mosses and horsetails. Not much climbing will be involved, but come prepared to walk off-trail. Bring a bag lunch.

Sunday, September 27, 11 a.m.-2 p.m.

North Central Conservation Area, Lincoln, RI

Program Code: FDT5019

Instructor: Don Lubin, fern enthusiast

Fee: \$28 (Member) /\$35 (Nonmember)

Limit: 16

Certificate: Field: FB/Adv.FB



PLANT FORM AND FUNCTION

In this introduction to botany, you will learn the basics of plant anatomy and physiology and study the fundamentals of the plant kingdom through slides and live materials. Microscopic study will provide an up-close look at roots, stems, leaves, and their component tissues. You will examine flowers, fruits, and seeds and discuss pollination, fertilization, dispersal, and germination, with an emphasis on the relationship between plant form and function.

**Thursdays, October 1, 8, 15, 22, 29,
November 5, 6:30-9 p.m.**

Bentley University, Waltham, MA

Program Code: BOT1000

Instructor: Dr. Nancy Eyster-Smith, botanist

Fee: \$200 (Member) /\$250 (Nonmember)

Limit: 16

Certificate: Core: FB/HD; Elective: all certificates

CEU: 4 AOLCP; 2 MCLP

FRAMEWORK TREES OF NEW ENGLAND

Forests are a dominant feature of the New England landscape. Join us as we explore the history, changes in composition, and ecology of the New England forest from the Ice Age through European settlement. Learn to identify native New England trees, their habitats, and their communities. Explore the impact of natural and human disturbances on the forested landscape and learn to recognize stands of different ages. Two weekend field trips will be held off-site.

**Tuesdays, October 6, 13, 20, 27,
6:30-8:30 p.m.; Saturday, October 17,
12-4 p.m.; Saturday, October 24, 9 a.m.-1 p.m.**

Garden in the Woods, Framingham, MA;
Harvard Forest, Petersham, MA; The Arnold
Arboretum, Jamaica Plain, MA

Program Code: BOT3200

Instructor: Karen Sebastian, Principal, Karen Sebastian, LLC, Landscape Architecture

Fee: \$246 (Member) /\$290 (Nonmember)

Limit: 16

Certificate: Core: FB; Elective: all certificates

CEU: 1 CFE, applied AOLCP and MCH

FROM TREE TO TABLE

The acorn has been an important staple for aboriginal people across North America for thousands of years. The people of each region had their preferred species and methods of collecting, storing, and processing this fruit of the oak tree. In this class, you will learn primitive and contemporary methods for gathering and preparing acorns. At the end of class, we will enjoy fresh-cooked acorn-flour pancakes.

Saturday, October 10, 12-4 p.m.

Garden in the Woods, Framingham, MA

Program Code: BOT7028

Instructor: Arthur Haines, Research Botanist, New England Wild Flower Society, author of *Flora Novae Angliae*

Fee: \$53 (Member) /\$64 (Nonmember)

Limit: 16

Certificate: Elective: FB/Adv.FB

CEU: applied AOLCP





FALL IN THE BOG

Wetlands formed across the surface of a shallow pond, quaking bogs are characterized by a thick layer of floating sphagnum moss, oxygen-poor water, and plants adapted to very low nutrient conditions. Philbrick-Cricenti Bog is one of the best examples of this fascinating habitat. We will discover a host of interesting bog plants as we walk through a red maple-sphagnum basin swamp, a black spruce swamp, and the Tundra Garden Loop, where we will see vegetation similar to that found in the Arctic tundra. Bring a bag lunch and a hand lens.

Sunday, October 11, 10 a.m.-2 p.m.

Philbrick-Cricenti Bog, New London, NH

Program Code: FDT4007

Instructor: Roland “Boot” Boutwell, naturalist

Fee: \$38 (Member) /\$46 (Nonmember)

Limit: 16

Certificate: Field: FB/Adv.FB

CEU: applied AOLCP

INVASIVE PLANTS: IDENTIFICATION, DOCUMENTATION, AND CONTROL

What’s all the fuss? Botanists, ecologists, horticulturists, and conservation professionals are united in their concern about invasive plants, but there is still some confusion about what they are and what to do about them. In this class, you will learn about the basic ecological problems created by these aggressive species and the complicated issues involved in controlling them. You will learn to identify some of New England’s most common invasive species through images, specimens, and short local field visits. Bring a bag lunch and a hand lens; wear waterproof shoes and dress appropriately for the weather.

Friday October 16, 6:30-8:30 p.m.;

Saturday, October 17, 10 a.m.-4 p.m.

Garden in the Woods, Framingham, MA, and field site

Program Code: BOT5130

Instructor: Ted Elliman, botanist

Fee: \$124 (Member) /\$145 (Nonmember)

Limit: 16

Certificate: Core: Adv.FB/Adv.HD; Elective: all certificates

CEU: 1 CFE, 2 MCLP; applied MCH

IDENTIFYING TREES BY THEIR BARK

Have you ever looked at a tree in winter and wondered what it might be? For nearly half the year, bark provides the best clue to tree identification, so in this field session, we will focus on tree bark to identify the species we spot on our walk through the Merrimack River Conservation Area Floodplain Forest. You will learn how bark differs by species, by habitat, and at different stages of growth. Bring a bag lunch, binoculars, and, if you have it, a copy of *Bark* by Michael Wojtech. Dress for the weather and wear waterproof shoes.

Sunday, October 18, 10 a.m.-2 p.m.

Merrimack River Conservation Area
Floodplain Forest, Concord, NH

Program Code: FDT1122

Instructor: Nancy Goodman, naturalist

Fee: \$38 (Member) /\$46 (Nonmember)

Limit: 16

Certificate: Field: FB/Adv.FB

CEU: 1 CFE; applied AOLCP and MCH



ANNUAL NATIVE PLANT LECTURE AND CERTIFICATE AWARDS

Climate Change and Assisted Migration: Ultimate Solution or Bad Idea?

The climate is warming, and some plant species may not be able to survive under future conditions. Should we move plant species to cooler climates to avoid their demise? If so, which species? What are the potential consequences? Are there other options? Our annual certificate awards program will begin with a discussion of these issues led by Bill Brumback. After the talk, certificates will be awarded to new graduates of our certificate programs in Native Plant Studies. Refreshments will follow.

Sunday, October 25, 1:30-3:30 p.m.

Garden in the Woods, Framingham, MA

Program Code: LEC1020

Instructor: Bill Brumback, Director of Conservation, New England Wild Flower Society

Fee: Free

EXPLORING SWAMP TREES AT NASAMI FARM

Nasami Farm lies within the Great Swamp, one of the largest and best examples of a perched swamp left in Massachusetts. We'll examine the trees and look for any wildflowers we might encounter at this time of year. Bring a bag lunch, binoculars, and, if you have it, a copy of *Bark* by Michael Wojtech. Dress for the weather and wear water-proof shoes.

Sunday, November 8, 10 a.m.-2 p.m.

Nasami Farm, Whately, MA

Program Code: FDT2060

Instructor: Nancy Goodman, naturalist

Fee: \$28 (Member) /\$34 (Nonmember)

Limit: 16

Certificate: Field: FB/Adv.FB

Cosponsor: Hitchcock Center for the Environment

CEU: applied AOLCP



botany + conservation

NEW ENGLAND PLANT DIVERSITY

Keeping up with changes in plant names can be challenging, but it reflects our expanding understanding of the plant kingdom based on genetics, a closer look at plant form, and new ways of analyzing relationships. Learn how to make sense of this new plant universe from one of the best botanists in the field, Arthur Haines. Session 1 is a prerequisite for all other sessions; Sessions 2-5 may be taken in any order. Recommended text: *Plant Systematics: A Phylogenetic Approach* by Judd et al.

Garden in the Woods, Framingham, MA

Instructor: Arthur Haines, Research Botanist, New England Wild Flower Society; author of *Flora Novae Angliae*

Fee: \$46 (Member) / \$54 (Nonmember)

Limit: 20

Certificate: Core: Adv.FB; Elective: all certificates

CEU: applied AOLCP and MCH

SESSION 1

Sunday, November 15, 1-4 p.m.

This class will examine necessary vocabulary that allows for comprehension of plant identification and classification based on vegetative and reproductive structures. An introduction to plant nomenclature, phylogeny, and scientific names will also be provided.

Program Code: BOT2205

SESSION 2

Sunday, February 7, 1-4 p.m.

In this class, students will examine tracheophyte families, starting with free-sporing plants (e.g., ferns) and ending with three major groups of seed plants: nonflowering seed plants (i.e., conifers); magnoliids (i.e., primitive dicots); and monocots.

Program Code: BOT2230

SESSION 3

Sunday, February 21, 1-4 p.m.

This class will focus on tracheophyte families referred to as the tricolpates (i.e., the majority of dicot plants). Discussion will include primitive tricolpates (e.g., *Ranunculaceae*, *Papaveraceae*, *Amaranthaceae*) and eurosids (e.g., *Rosaceae*, *Betulaceae*, *Brassicaceae*).

Program Code: BOT2236

SESSION 4

Sunday, June 26, 1-4 p.m.

In this class, students will investigate advanced tricolpate families often referred to as euasterids (e.g., *Lamiaceae*, *Plantaginaceae*, *Campanulaceae*, *Asteraceae*).

Program Code: BOT2240

SESSION 5

Sunday, August 28, 2016, 1-4 p.m.

In this session, students will gain insight into the breadth and complexity of plant identification. Hybridization and phylogeny will be discussed to provide a deeper appreciation for the role of evolutionary history in understanding organismal relationships.

Program Code: BOT2246

botany + conservation



BARE TREES AND NAKED SHRUBS

No leaves? No problem! We will use a combination of branching patterns, bud and bark characteristics, habitat, persistent fruits, galls, and marcescent leaves to help identify woody plants in winter. The program will begin indoors. We will then head outdoors to the Sanctuary for a close-up look at 15–20 common trees and shrubs. The program will conclude indoors with a twig quiz and a hot beverage. Bring a bag lunch and a hand lens if you have one.

Instructor: Roland “Boot” Boutwell, naturalist

Fee: \$25 (Member) /\$30 (Nonmember)

Limit: 16

Certificate: Field: FB/Adv.FB

Cosponsor: Mass Audubon

CEU: 1 CFE; applied AOLCP, MCH

Choose one of two sections:

Saturday, December 5, 10 a.m.-2 p.m.

Habitat Audubon Sanctuary, Belmont, MA

Program Code: FDT1101

Saturday, January 23, 10 a.m.-2 p.m.

Arcadia Wildlife Sanctuary, Easthampton, MA

Program Code: FDT3315

THE WORLD OF PLANT GENETICS

From mutations to transposons and hybridization to polyploidy, plants have fascinating genetic qualities that allow them to survive and thrive on this planet. This course will begin with a short talk on the basics of genetic theory, and then we will delve into how these genetic qualities play out in plant form and function. No experience in genetics necessary!

Wednesdays, January 6, 13, 20, 6:30-8:30 p.m.

Garden in the Woods, Framingham, MA

Program Code: BOT1401

Instructor: Laney Widener, Botanical Coordinator, New England Wild Flower Society

Fee: \$80 (Member) /\$96 (Nonmember)

Limit: 20

Certificate: Elective: FB/Adv.FB

CEU: applied MCH

KILLER PLANTS

Think plants are passive victims of insect attacks or other herbivory? No! Plants have evolved all manner of strange and wonderful adaptations that enable them to withstand the onslaught of those who would eat or exploit them. Elizabeth Farnsworth will take you on a journey through New England and beyond that introduces you to the innovative defenses of plants. We'll even explore how your herbs can be more pungent and flavorful when *you* act like an herbivore.

Saturday, January 16, 1-2:30 p.m.

(Snow date: January 17)

Hitchcock Center for the Environment,
Amherst, MA

Program Code: BOT1409

Instructor: Elizabeth Farnsworth, Senior
Research Ecologist, New England Wild
Flower Society

Fee: \$10 (Member) /\$12 (Nonmember)

Limit: 34

Certificate: Elective: FB/Adv.FB

Cosponsor: Hitchcock Center for the Environment

CEU: applied AOLCP

CONSERVATION BIOLOGY

In this introduction to conservation biology and biodiversity, you will learn what makes a species vulnerable to extinction and what strategies and tools can be used to protect species and ecosystems. Readings, group exercises, and video clips will be used to explore the interdisciplinary nature of conservation biology. Participants will receive a bibliography of resources for further study. Bring a bag lunch.

Sundays, January 17, 24, 31, 10 a.m.-3:30 p.m.
(Snow date: February 6)

Garden in the Woods, Framingham, MA

Program Code: BOT5100

Instructor: Nancy M. Eyster-Smith, Ph.D.,
botanist

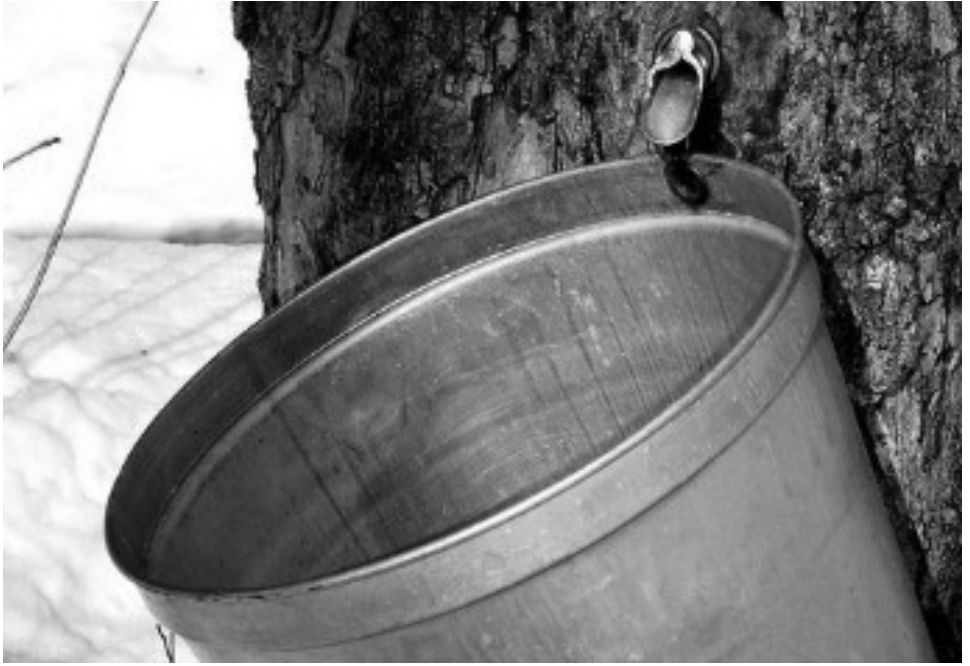
Fee: \$254 (Member) /\$300 (Nonmember)

Limit: 16

Certificate: Core: Adv.FB; Elective: FB

CEU: 1 CFE; applied MCH





WINTER BOTANY

Join us as we investigate the taxonomic characteristics of deciduous, evergreen, and some herbaceous plants in winter. Learn to use a dichotomous key and then identify a large inventory of twig and plant specimens. After lunch, we will head out into the Garden. Bring a bag lunch, a hand lens, and a copy of *Fruit Key and Twig Key to Trees and Shrubs* by William M. Harlow. Take home plant specimens.

Saturday, January 30, 9:30 a.m.-3:30 p.m.

Garden in the Woods, Framingham, MA

Program Code: BOT3317

Instructor: William E. Kuriger, Ph.D., C.W.S., P.W.S., L.S.P. botanist

Fee: \$80 (Member) /\$96 (Nonmember)

Limit: 30

Certificate: Elective: FB/Adv.FB

Cosponsor: Massachusetts Association of Conservation Commissions

CEU: 1 CFE; applied MCH

MAPLE SUGARING

Turn your backyard trees into syrup producers! Join us to learn how to make your own delicious maple syrup. We will cover everything you need to know to get started on this sweet project—from tree identification, weather considerations, and equipment to techniques for tapping, boiling, finishing, and storing.

Saturday, January 30, 1-3:30 p.m.

Drumlin Farm Wildlife Sanctuary, Lincoln, MA

Program Code: BOT7013

Instructor: Tia Pinney, Naturalist, Adult Program & Ecological Management Coordinator, Drumlin Farm Wildlife Sanctuary

Fee: \$30 (Member) /\$36 (Nonmember)

Limit: 16

Certificate: Elective: FB/Adv.FB

Cosponsor: Mass Audubon



WETLAND SHRUBS IN WINTER

Learn to identify wetland shrubs using branching patterns, bud and bark characteristics, habitat, persistent fruits, galls, and marcescent leaves. Garden in the Woods provides an excellent field site for study. We will begin with a short session indoors, then head into the Garden for a close look at almost twenty native New England shrubs that grow in and around wetlands. Bring a bag lunch and a hand lens if you have one, and dress for the weather.

Wednesday, February 3, 10 a.m.-2 p.m.

Garden in the Woods, Framingham, MA

Program Code: WET3020

Instructor: Roland "Boot" Boutwell, naturalist

Fee: \$53 (Member) /\$64 (Nonmember)

Limit: 16

Certificate: Elective: FB/Adv.FB

Cosponsor: Massachusetts Association of Conservation Commissions

CEU: 1 CFE; applied MCH

FIRE ON THE NEW ENGLAND LANDSCAPE

Fire has shaped the landscape of New England for thousands of years. In the last several decades, professionals have increasingly used prescribed fires, ignited to meet specific objectives, as a land management tool. Learn about the history of fire ecology in New England, what prescribed fire is, why it's used, and how can it be implemented safely.

Friday, February 26, 6:30-9 p.m.

Garden in the Woods, Framingham, MA

Program Code: BOT1102

Instructor: Joel R. Carlson, Principal Consultant and Owner, Northeast Forest and Fire Management, LLC

Fee: \$33 (Member) /\$40 (Nonmember)

Certificate: Elective: FB/Adv.FB

Cosponsor: Massachusetts Association of Conservation Commissions

CEU: 1 CFE; applied AOLCP



INTRODUCTION TO PRESCRIBED FIRE

Prescribed fire, when planned for and implemented properly, is an effective land management, restoration, and maintenance tool. Participants will receive an overview of: the resources available for assessing the benefits of prescribed fire; considerations for safe and responsible implementation of a prescribed burn; and guidelines on what to expect leading up to, during, and following a burn day. Participants are encouraged to bring information on a site where they are considering a prescribed fire. This course is designed as an introduction for land managers and is not intended to qualify anyone to conduct a prescribed burn.

Thursday, March 3, 10 a.m.-4 p.m.

Garden in the Woods, Framingham, MA

Program Code: BOT1105

Instructor: Joel R. Carlson, Principal Consultant and Owner, Northeast Forest and Fire Management, LLC, and Tim Simmons, Restoration Ecologist, Massachusetts Natural Heritage & Endangered Species Program

Fee: \$57 (Member) /\$69 (Nonmember)

Limit: 30

Certificate: Elective: FB/Adv.FB

Cosponsor: Massachusetts Association of Conservation Commissions

CEU: 1 CFE; applied AOLCP

WILDFLOWERS OF NEW ENGLAND

New to the world of native plants? There's no better way to study our regional flora than in the field. In this class, we will learn to identify New England's native flora by studying their habitats at Garden in the Woods. We will examine family characteristics, growth patterns, and key identification features of flowers, leaves, and stems. Bring a hand lens and *Newcomb's Wildflower Guide*.

Garden in the Woods, Framingham, MA

Instructor: Ted Elliman, botanist

Fee: \$136 (Member) /\$170 (Nonmember)

Limit: 16

Certificate: Core: FB/HD; Elective: all certificates

CEU: applied AOLCP, MCH

Choose one of two sections:

Tuesdays, April 26, May 3, 10, 6:30-9 p.m.;

Saturday, May 14, 10 a.m.-12:30 p.m.

Program Code: BOT3001

Wednesdays, April 27, May 4, 11, 18,

10 a.m.-12:30 p.m.

Program Code: BOT3000

NEW ENGLAND PLANT COMMUNITIES

For a relatively small region, New England boasts an astonishing variety of plant communities, ranging from freshwater and tidal wetlands to coastal dunes, grasslands, forests, and montane. Learn how soil, topography, moisture, geological conditions, glaciation, and historical use affect the vegetation of each community. We will study dominant canopy, structure, range, and characteristic species of each community, and then apply this knowledge in the field.

Fridays, June 10, 17, 24, 6-8:30 p.m.;
Saturdays, June 11, 18, 10 a.m.-2 p.m.

Garden in the Woods, Framingham, MA and field sites

Program Code: BOT4000

Instructor: Ted Elliman, botanist

Fee: \$238 (Member) /\$280 (Nonmember)

Limit: 16

Certificate: Core: FB/Adv.HD; Elective: all certificates

CEU: applied AOLCP and MCH

INTRODUCTION TO PLANT FAMILIES

To really know a plant, you must understand its family. In this class, we will use both microscopic and field investigation to decipher the clues to familial relationships and classifications of New England's wild plants. You will learn the basic formulas for plant structure and practice applying them to other families. Bring lunch and a hand lens.

Wednesdays, July 6, 13, 20, 10 a.m.-2 p.m.

Garden in the Woods, Framingham, MA

Program Code: BOT2260

Instructor: Carol Govan, naturalist

Fee: \$185 (Member) /\$218 (Nonmember)

Limit: 16

Certificate: Core: FB; Elective: all certificates

CEU: applied AOLCP and MCH

BOTANIC INVENTORY METHODS

Learn botanical survey methods and spend a day in the field inventorying the flora of a conservation property. The evening session will cover the basics of field preparation using a variety of maps, field guides, aerial photography, GPS units, field supplies, and data sheets. We will then spend a full day in the field putting the methods into practice. Bring a bag lunch, compass, hand lens, and GPS unit if you have one.

Thursday, August 11, 6:30 -8:30 p.m.;
Thursday, August 18, 10 a.m.-4 p.m.

Garden in the Woods, Framingham, MA, and field sites

Program Code: BOT2050

Instructor: Ted Elliman, botanist

Fee: \$123 (Member) /\$145 (Nonmember)

Limit: 16

Certificate: Core: FB; Elective: all certificates

Cosponsor: Massachusetts Association of Conservation Commissions

CEU: applied AOLCP and MCH



children + families

All programs take place at Garden in the Woods, Framingham, MA, and are for children with adult companions. Preregistration and payment is required for each adult and child. Join us!

SALAMANDER CELEBRATION

Join our annual celebration of this shy and beautiful woodland creature and its amphibian cousins that call Garden in the Woods—and perhaps your own backyard—home. You will walk the trails and examine our vernal pools for salamanders and wood frogs and their egg masses. The class will conclude with a salamander craft and an origami jumping-frog contest.

Sunday, April 3, 1:30-3:30 p.m.

Program Code: FAM3600

Instructor: Tracy Phipps, naturalist

Fee: \$12 (Member) /\$14 (Nonmember)

Limit: 24

VERNAL POOLS ARE COOL

Join us as we explore vernal pools. These mysterious springtime pools often come and go without much notice, but they are an important habitat for many creatures. Come learn why vernal pools are so special and why some animals' lives depend on them. We'll venture out into the woods to examine a vernal pool firsthand, and then use microscopes to observe some of its smallest residents, like fairy shrimp, which live their entire lives in about one week.

Saturday, May 21, 1:30-3:30 p.m.

Program Code: FAM3603

Instructor: Tracy Phipps, naturalist

Fee: \$12 (Member) /\$14 (Nonmember)

Limit: 24



become a member

For immediate discounts on programs, join or renew when you register.

Members help conserve and promote the region's native plants to ensure healthy, biologically diverse landscapes.

Membership benefits include:

- 20% discount on educational programs throughout New England
- Annual subscription to Society publications
- Monthly member e-newsletter
- Discounts at a wide range of regional and mail-order nurseries through our Nursery Partner Program and our Garden Shops
- Borrowing privileges at our 4,500-volume botanical library (*Individual with Garden Access level and up*)
- Invitations to special, members-only events (*Individual with Garden Access level and up*).

Membership levels

- Individual \$40
- Individual with Garden Access \$55
- Family/Friends \$75
- Contributor \$115
- Supporter \$250
- Sustainer \$500
- Conservation Circle \$1,000+

For a full description of member benefits, please visit www.newenglandwild.org/membership or call 508-877-7630 x3104.

registration policies

Advance registration is required for all fee-based programs and is accepted on a first-come, first-served basis upon full payment. Before your class, you will receive program locations and any recommended reading and supplies. Early registration is encouraged; programs with insufficient registration may be cancelled three to five business days before the scheduled start date. If your requested program is filled, you will be put on a waiting list and your credit card will not be charged or your check will be returned. If space in the program becomes available, you will be contacted according to your position on the waiting list.

EQUAL ACCESS

If you need assistance or special accommodations, call 508-877-7630, ext. 3303, at the time you register or as soon as possible thereafter.

SOCIETY CANCELLATIONS, CHANGES, AND INCLEMENT WEATHER

The Society reserves the right to cancel programs, change times or locations, and substitute instructors. If a program is cancelled by the Society, you will receive a full refund. In the event of any program change, you will be notified as soon as possible. Programs run rain or shine. However, in the event of extremely inclement weather, the Public Programs Department or instructor will make every effort to inform you by telephone or email of any change in plans.

No refunds or transfers can be given for withdrawals within a week of the program start date, for programs already in progress, or for class sessions you have not attended.

how to register

REGISTER ONLINE

Visit www.newenglandwild.org/programs.
We accept Visa or MasterCard.

REGISTER BY PHONE

Call 508-877-7630, ext. 3303.
We accept Visa or MasterCard.

REGISTER BY MAIL

Complete the registration form below and mail it with your payment to: Public Programs, New England Wild Flower Society, 180 Hemenway Road, Framingham, MA 01701. Use a separate copy of the form for each registrant. Make checks payable to New England Wild Flower Society. Please do not mail cash.

Name of person filling out form:

Participant's name (if different): Age (if under 18):

Address:

City, State, ZIP:

Email:

Phone: Day Evening

Program code	Program name	Start date	Fee
.....
.....
.....
.....
.....

- Yes, I'm a member of New England Wild Flower Society member #
- I am a current member of (cosponsor organization)
- I want to join the Society. Please indicate membership-level fee here
- I would like to enroll in a Certificate Program \$30 (This is a one-time fee.)
- I would like to make a gift to the Annual Fund

PAYMENT Total: \$

- Check enclosed (payable to New England Wild Flower Society)
- Credit card #
- Visa MasterCard Exp. date CVC code
- Name on card
- Billing address (if different from above)
- Signature

I have read and accept the Cancellation and Refund Policy Yes No

JOIN TED ELLIMAN
FOR A SOCIETY-SPONSORED TRIP
TO

China

July 8-21, 2016

A Backroads Journey to Fascinating Cultures and Spectacular Landscapes!

The Tibetan highlands of Sichuan are home to a spectacular array of landscapes, flora, and wildlife, with mountains soaring to 20,000 feet and an extraordinary diversity of plants. Little wonder the region has been a magnet for plant explorers for over 150 years. The spruce-, fir-, and hardwood-forested slopes of the mountains, often with dense understories of bamboo, are among the last strongholds of the giant panda. Join the Society's Ted Elliman as we explore forests, meadows, alpine communities, and the culture of the traditionally nomadic Tibetan people who inhabit the eastern edge of the Roof of the World.

Details at
www.newenglandwild.org/learn/china



NEW ENGLAND WILD FLOWER SOCIETY

HEADQUARTERS & GARDEN IN THE WOODS

180 Hemenway Road
Framingham, Massachusetts 01701-2699

ADDRESS SERVICE REQUESTED