

SPRING/SUMMER 2017

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.

Inkberry (*Ilex glabra*)



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

### On the Cover

Banded Net-wing on mystery plant  
Photo by Dan Jaffe, New England Wild Flower Society

### Continuing Education Units (CEUs)

Many of our programs qualify for continuing education units. Below is a list of CEUs we offer. Visit [www.newenglandwild.org/programs](http://www.newenglandwild.org/programs) for a list of qualifying programs.

**AOLCP** - Northeast Organic Farming Association Accredited Organic Land Care Professionals

**CFE** - Society of American Foresters' Continuing Forestry Education

**MCH** - Massachusetts Certified Horticulturist

**MCA** - Massachusetts Certified Arborist

**MCLP** - Massachusetts Certified Landscape Professional



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# *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 certificate programs in Field Botany and Native Plant Horticulture and Design learn about identifying, cultivating, and conserving native New England plants while gaining a greater appreciation for their ecological importance. Students actively participate in ongoing public and private efforts to preserve and restore native New England flora. We offer programs for both Basic and Advanced certificates. To enter the Advanced program, students must complete the Basic Certificate or have enough experience to qualify for a Basic Certificate.

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## CERTIFICATE ORIENTATION WEBINAR

Watch this free webinar to learn about the curriculum and structure of the Society's certificate programs in Native Plant Studies.

**Program Code:** CER8000

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## FIELD BOTANY

### Basic Curriculum

**Eight Core Courses** (all are required)

- Plant Form and Function
- 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 46 of this catalog or visit us online at [www.newenglandwild.org/learn/certificate](http://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

*Most programs satisfy more than one requirement*

**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.

# special events

## TRILLIUM WEEK • MAY 7-13

In 2013, the Garden in the Woods trillium collection was recognized as a Nationally Accredited Plant Collection by the American Public Gardens Association's Plant Collections Network. Please join us for our second annual Trillium Week to celebrate the beauty and variety of trilliums at the Garden. Take a Trillium Tour with our experts or embark on a self-guided exploration; join us for an evening of trilliums, wine, and music; and attend one of our trillium demonstrations. Or simply stroll through the Garden on your own and enjoy the largest collection of trilliums north of Delaware during their peak flowering time. Society-grown trilliums are available for purchase on site while supplies last. Children can learn about the genus *Trillium* and make crafts at our Story Time and Musical Play Hour.



# special events

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## FROM OUR GARDEN TO YOURS

Choose and purchase trilliums directly from our propagation beds. Take advantage of this unique opportunity while supplies last during Trillium Week. Flag your trilliums during your visit; our staff will dig them at their ideal transplant time and prepare them for you to pick up later. Potted trilliums will also be available for sale at the Garden Shop.

**Sunday, May 7 through Monday, May 8, 2017, 10 a.m.-12 p.m.**

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## GUIDED TRILLIUM TOURS

Join our knowledgeable guides for an up-close look at the Garden and our award-winning trillium collection. Tours meet at the visitor center.

**Sunday, May 7 through Saturday, May 13, 2017, 1-2 p.m.**

**Fee:** Free of charge with Garden admission



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## EVERYTHING YOU NEED TO KNOW ABOUT TRILLIUMS

Learn from the master in this workshop led by trillium expert Dan Jaffe. Do you want your trillium patch to spread throughout your garden? This workshop will give you the knowledge you need to turn one trillium into many. You will learn how to expertly care for your plants—a practice that starts even before you break ground—and how to select trillium species, prepare a site for planting, and care for a plant once it's in the ground.

**Sunday, May 7; Thursday, May 11; Friday, May 12, 2017; and Saturday, May 13, 2017, 2-3 p.m.**

**Fee:** Free of charge with Garden admission

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## TRILLIUM AND WINE

Drink wine while listening to live music on a beautiful spring evening in the Garden. Stroll the Garden after hours during Trillium Week and enjoy the largest collection of trilliums north of Delaware during their peak flowering time. Details coming soon!

**Friday, May 12, 2017, 6-8 p.m.**

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## STORY TIME AND MUSICAL PLAY AT GARDEN IN THE WOODS

Children will listen to a trillium-themed story, sing songs, and make nature-inspired crafts. For children ages three to six, but everyone is welcome.

**Saturday, May 13, 2017 10:30-11:30 a.m.**

Family Activity Area

**Instructor:** Elaine Kessler, professional storyteller and children's educator

**Fee:** Free of charge with Garden admission

## ARBOR DAY CELEBRATION AND TREE GIVEAWAY

Come to this fun-filled, family-friendly day to celebrate trees and the forests they live in. There will be children's activities, games, art projects, and investigation stations throughout the Garden. Adults can enjoy guided tours, workshops on planting and pruning trees, and a native plant sale. We will give away 250 trees on a first-come, first-served basis.

**Sunday, April 30, 2017, 10 a.m.-3 p.m.**  
Garden in the Woods, Framingham, MA  
**Fee:** Free of charge with Garden admission

## PLANTS AND PINTS

Celebrate the summer solstice in the Garden while enjoying craft beer, great music, and drink-themed demonstrations. You won't want to miss this special summer night on the longest day of the year! Somerville's Aeronaut Brewing Company will provide seasonal craft beers and discuss how plants are used in the brewing process. Dan Jaffe will identify native plants for beverages and teach you how to make cocktails such as the sassafras storm. Stroll the Garden while enjoying libations, nature, and music. The ticket price includes all the festivities and one craft beer. Additional drinks will be available for purchase. All guests must be at least 21 years old and proper identification is required.

**Saturday, June 17, 2017, 5-8 p.m.**  
Garden in the Woods, Framingham, MA  
**Fee:** \$25 (Member)/\$30 (Nonmember)

Eastern white oak (*Quercus alba*)







## FLOWER TO FORK

### NATIVE PLANTS, FARMS, AND FOOD

What role do native plants and their pollinators play in the stability of our food and other agricultural systems? Join us for a day-long symposium to discuss the interactions between native plants, pollinators, and food crops. Learn how farmers are using native plants to increase their crop production, what programs are available to growers to help with native plant installation, and how you can create beautiful gardens that also support pollinators. Registration fee includes lunch.

**Saturday, March 25, 2017, 9 a.m.-3 p.m.**

Mount Holyoke College, South Hadley, MA

**Program Code:** SYM1004

**Fee:** \$75 (Member)/\$85 (Nonmember)

**Certificate:** Elective: all certificates

### PRESENTERS

John Hayden, owner, The Farm Between

Rebecca Lindenmeyr, landscape designer and co-principal, Linden L.A.N.D. Group

Joan Milam, adjunct research fellow, department of environmental conservation, University of Massachusetts-Amherst

Michelle Cozine, conservation planner, USDA Natural Resources Conservation Service

# online learning

## ONLINE COURSES

Enjoy the Society's rich educational programming wherever you are. Register now for one of our online courses on native plant botany, horticulture, and design.

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### PLANTS 101: INTRODUCTION TO THE GREEN WORLD

Explore New England's plant life in this online and field course. You will learn what plants are, how they function, and why they are essential to all life on earth. The course, which also introduces many of the region's native and non-native plants, includes five self-paced online modules offered over the course of five weeks and facilitates interactions with the instructor and other students. You can elect to join an optional field trip led by an enthusiastic botanist in your state.

**Monday, April 17 through Sunday, May 21**

**Program Code:** BOTO101

**Instructor:** Elizabeth Farnsworth, senior research ecologist, New England Wild Flower Society

**Course:** \$100 (Member)/\$125 (Nonmember)

**Course + Field Trip:** \$128 (Member)/\$160 (Nonmember)

**Limit:** 50

**Certificate:** Elective: FB/Adv.FB

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### PLANTS 102: DEEPER INTO THE GREEN WORLD

Delve deeper into the New England flora in this online and field course. Learn how plants change as they grow; how they interact with other species; and how geology, soils, land-use history, hydrology, and climate shape the plant communities of the region. This course includes five weeks of online instruction and offers many oppor-

tunities to interact with the course instructor and your fellow students. You can elect to join an optional field trip led by an enthusiastic botanist in your state. Plants 101 is a complement to Plants 102, but is not a prerequisite.

**Monday, May 29 through Sunday, July 2**

**Program Code:** BOTO102

**Instructor:** Elizabeth Farnsworth, senior research ecologist, New England Wild Flower Society

**Course:** \$100 (Member)/\$125 (Nonmember)

**Course + Field Trip:** \$128 (Member)/\$160 (Nonmember)

**Limit:** 50

**Certificate:** Elective: FB/Adv.FB

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### DESIGNING WITH NATIVE PLANTS

This entirely self-paced online course will teach you the basics of designing with native plants and show you how to incorporate native plants into your garden and landscape. Discover the variety of native plants found throughout New England and learn how to design a visually interesting landscape that also supports biodiversity. Students complete the course at their own pace.

**Class access begins Thursday, June 1, and will continue until Saturday, September 30**

**Program Code:** HORO100

**Fee:** \$70 (Member)/\$85 (Nonmember)

**Certificate:** Elective: HD/Adv.HD

## WEBINARS

Join us for live or on-demand webinars to learn about plant conservation, gardening, native plants, and more. Watch three live webinars to earn one elective class.

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### WHAT TO CONSIDER WHEN DESIGNING WITH NATIVES

Although most often associated with natural settings like meadows, forests, and pond edges, native plants can work beautifully in built landscapes. Learn which native plants work best for gardens and what principles of design enhance their aesthetic appeal.

**Wednesday, March 8, 2017, 11 a.m.-12 p.m.**

**Program Code:** HORW210

**Instructor:** Anna Fialkoff, horticulturist, New England Wild Flower Society

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: HD/Adv.HD

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### RAIN GARDEN PLANTS

Rain gardens can reduce groundwater pollution in urban landscapes by cleaning, cooling, and slowing the flow of stormwater. Learn how to maximize rain garden function by using the most durable native plants in some of the toughest spots.

**Wednesday, March 22, 2017, 11 a.m.-12 p.m.**

**Program Code:** HORW211

**Instructor:** Anna Fialkoff, horticulturist, New England Wild Flower Society

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: HD/Adv.HD

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### TWENTY GREAT NATIVES FOR BEES

Did you know that bees see flowers differently from humans, or that Joe Pye weed has more to offer our native bees than just its flowers? Dan Jaffe will introduce you to 20 plants that can help you build a bee paradise.

**Thursday, March 23, 2017, 6:30-7:30 p.m.**

**Program Code:** HORW335

**Instructor:** Dan Jaffe, propagator and stock bed grower, New England Wild Flower Society

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: HD/Adv.HD

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### JAW-DROPPING NATIVES

Native plants have a reputation for being less showy than exotic plants from other parts of the world. But there are dozens of spectacular natives that will make your garden the envy of the neighborhood. Join Mark Richardson to learn about some of the showiest.

**Thursday, March 30, 2017, 6:30-7:30 p.m.**

**Program Code:** HORW310

**Instructor:** Mark Richardson, botanic garden director, New England Wild Flower Society

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: HD/Adv.HD

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## MASSACHUSETTS PLANT COMMUNITIES

There are many plant communities in Massachusetts. We will discuss their distinguishing characteristics and explore the common species found in each. This webinar offers a great introduction to the diverse flora of New England.

**Tuesday, April 11, 2017, 6-7 p.m.**

**Program Code:** BOTW300

**Instructor:** Laney Widener, botanical coordinator, New England Wild Flower Society

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: FB/Adv.FB

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## DEMISTIFYING THE ASTER GENERA

The familiar fall-flowering asters were placed in six different genera during recent rearrangements of these species. Although the new scientific names may seem confusing, the reclassifications have actually clarified the distinctions among members of this group of plants. Once the macro- and micromorphological characters that differentiate these genera have been learned, it becomes relatively straightforward to recognize them. A discussion of this topic illustrated with numerous color images will help explain the new classifications.

**Wednesday, April 12, 2017, 1-2 p.m.**

**Program Code:** BOTW501

**Instructor:** Arthur Haines, research botanist, New England Wild Flower Society, and author of *Flora Novae Angliae*

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: FB/Adv.FB

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## MAINE PLANT COMMUNITIES

There are many different plant communities in Maine. We will discuss their distinguishing characteristics and explore the common species found in each. This webinar offers a great introduction to the diverse flora of New England.

**Monday, May 15, 2017, 6-7p.m.**

**Program Code:** BOTW301

**Instructor:** Laney Widener, botanical coordinator, New England Wild Flower Society

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: FB/Adv.FB

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## TIME-SHARING NATIVES

We all love spring ephemerals, but since their season is fleeting, we must plan for a second act after the spring spectacular ends. Learn some great native plant combinations for “time sharing” in the garden and designing it for a long season of interest.

**Wednesday, May 24, 2017, 6:30-7:30 p.m.**

**Program Code:** HORW330

**Instructor:** Mark Richardson, botanic garden director, New England Wild Flower Society

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: HD/Adv.HD



New England aster  
(*Symphoricarix novae-angliae*)

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## EDIBLE NATIVES FOR CITY LANDSCAPES

If you're lucky enough to have a sunny yard with rich soil, you may already have planted a vegetable garden. But what edibles can you plant in other spaces, such as the narrow strip of land along the chain link fence, the shady spot on the north side of the building, or the abandoned lot across the road from the community garden? Join Dan Jaffe to learn about native edibles that will grow in these areas.

**Tuesday, June 6, 2017, 7-8:30 p.m.**

**Program Code:** HORW332

**Instructor:** Dan Jaffe, propagator and stock bed grower, New England Wild Flower Society

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: HD/Adv.HD

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## CONNECTICUT PLANT COMMUNITIES

There are many different plant communities in Connecticut. We will discuss their distinguishing characteristics and explore the common species found in each. This webinar offers a great introduction to the diverse flora of New England.

**Tuesday, June 13, 2017, 6-7 p.m.**

**Program Code:** BOTW302

**Instructor:** Laney Widener, botanical coordinator, New England Wild Flower Society

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: FB/Adv.FB

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## COLOR COMBINATIONS

The mark of a truly gorgeous garden is the skillful play of colorful blooms and foliage highlighted by contrasting textures. Learn

some native plant combinations that never fail and provide dazzling color all year long.

**Wednesday, June 14, 2017, 11 a.m.-12 p.m.**

**Program Code:** HORW320

**Instructor:** Mark Richardson, botanic garden director, New England Wild Flower Society

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: HD/Adv.HD

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## TWENTY GREAT NATIVES FOR BUTTERFLIES

Lepidoptera cannot live by nectar alone. Learn about 20 top plants that not only offer food for native pollinators and their young but also provide space for egg laying. Some of these plants are probably already in your garden, while others are sure to surprise you. Our native sedges, for instance, host significantly more butterfly species than bee balm!

**Thursday, June 29, 2017, 6:30-7:30 p.m.**

**Program Code:** HORW333

**Instructor:** Dan Jaffe, propagator and stock bed grower, New England Wild Flower Society

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: HD/Adv.HD



Purple milkweed (*Asclepias purpurascens*)

## WHY ARE SOME PLANTS RARE?

We see many sugar maples and Canada-mayflowers throughout New England, but relatively few Lapland rosebays or Wright's spikesedges. In this talk, we will examine the primary reasons certain plant species become rare in the landscape, both in New England and beyond.

**Tuesday, July 18, 2017, 6:30-7:30 p.m.**

**Program Code:** BOTW310

**Instructor:** Laney Widener, botanical coordinator, New England Wild Flower Society

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: FB/Adv.FB

## HOW ARE RARE PLANTS CONSERVED?

In this talk, we will study the actions being taken to conserve rare plant species. We'll begin by discussing New England programs at the state and regional levels, then look at plant conservation organizations throughout the U.S. and abroad.

**Wednesday, July 19, 2017, 6:30-7:30 p.m.**

**Program Code:** BOTW311

**Instructor:** Laney Widener, botanical coordinator, New England Wild Flower Society

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: FB/Adv.FB

## GREEN GARDEN INFRASTRUCTURE

Green infrastructure is the backbone of an environmentally responsible garden. Learn how to incorporate low-cost and low-tech solutions for managing stormwater, harvesting rainwater, and reducing excess heat and pollution. Anna Fialkoff will introduce you to rain gardens, green roofs, permeable paving, and other landscape elements you can build without the help of an engineer or landscape architect.

**Friday, July 21, 2017, 1-2 p.m.**

**Program Code:** HORW331

**Instructor:** Anna Fialkoff, horticulturist, New England Wild Flower Society

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: HD/Adv.HD

## TWENTY GREAT NATIVES FOR BIRDS

Discover 20 of the best plants for supporting native birds. The plants on this list will help you create a paradise for our feathered friends, providing them with everything from berries to nuts, and attracting the insects that are important source of protein.

**Thursday, July 27, 2017, 6:30-7:30 p.m.**

**Program Code:** HORW334

**Instructor:** Dan Jaffe, propagator and stock bed grower, New England Wild Flower Society

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: HD/Adv.HD

## ON-DEMAND WEBINARS

On-demand webinars are available to members only and are free of charge. These webinars can be accessed on any date at any time. Visit the "Our Programs" page on our website at [newenglandwild.org](http://newenglandwild.org) to register for our current offerings. Not a member? Find out how to become one on page 45!



Common clubmoss (*Lycopodium clavatum*)

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## CLUBMOSES

Clubmosses and firmosses are two very recognizable plant families in the New England flora. Ranging from sea level to the summits of our highest mountains, these families include many well-known and regionally rare species as well as some that are hard to categorize. This lecture and a guided keying session will present the relatively new taxonomic scheme and terminology needed to understand the morphology of the group.

**Wednesday, March 1, 2017, 1-5 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** PDW3334

**Instructor:** Arthur Haines, research botanist, New England Wild Flower Society and author of *Flora Novae Angliae*

**Fee:** \$54 (Member)/\$64 (Nonmember)

**Limit:** 16

**Certificate:** PDW: Adv.FB; Elective: all certificates

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## VERNAL MUSTARDS

Members of the mustard family (Brassicaceae), both native and introduced, are among the earliest flowers to bloom in the spring. Using images and herbarium specimens, we will discuss the identifying features and habitats of some of the species in this confusing and often overlooked group of wildflowers, including *Arabisopsis*, *Boechera*, *Brassica*, *Cardamine*, *Draba*, *Lepidium*, and several other mustard genera.

**Thursday, March 23, 2017, 1-4 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** PDW3333

**Instructor:** Ted Elliman, botanist and author of *Wildflowers of New England*

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

**Limit:** 16

**Certificate:** PDW: Adv.FB; Elective: all certificates

## 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 the new plant universe from one of the best botanists in the field, Arthur Haines. We suggest starting with Session 1. Sessions 2-5 may be taken in any order. Bring a copy of *Plant Systematics: A Phylogenetic Approach* to class.

Garden in the Woods, Framingham, MA

**Instructor:** Arthur Haines, research botanist, New England Wild Flower Society, and author of *Flora Novae Angliae*

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

**Limit:** 20

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

## SESSION 3

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

**Sunday, March 26, 2017, 1-4 p.m.**

**Program Code:** BOT2236

## SESSION 4

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

**Sunday, June 11, 2017, 1-4 p.m.**

**Program Code:** BOT2240

## SESSION 5

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.

**Sunday, August 27, 2017, 1-4 p.m.**

**Program Code:** BOT2246

## SESSION 1

This class will study the vocabulary needed to understand plant identification and classification based on vegetative and reproductive structures. An introduction to plant nomenclature, phylogeny, and scientific names will also be provided.

**Sunday, September 24, 2017, 1-4 p.m.**

**Program Code:** BOT2205

## SESSION 2

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.

**Sunday, November 19, 2017, 1-4 p.m.**

**Program Code:** BOT2230



Common yarrow (*Achillea millefolium*)





Sharp-lobed hepatica (*Anemone acutiloba*)

## WILDFLOWERS OF NEW ENGLAND

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

**Garden in the Woods, Framingham, MA**

**Instructor:** Neela de Zoysa, botanist

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

**Limit:** 16

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

*Choose one of two sections:*

**Tuesdays, April 25, May 2, 9, 16, 2017, 6:30-9 p.m.**

**Program Code:** BOT3001

**Wednesdays, April 26, May 3, 10, 17, 2017, 10 a.m.-12:30 p.m.**

**Program Code:** BOT3000

## ICE AGES, CLIMATE CHANGE, AND BOSTON'S EARTHQUAKE PROBLEM

Our planet has experienced six ice ages in the last billion years. The first two, which occurred about 800 million and 600 million years ago, may have covered all or most of the earth in ice, creating what is called the Snowball Earth. The most recent Pleistocene Ice Age has involved more than 16 glacial cooling and warming events over the past 2.5 million years. Geologist Lawford Anderson will speak about various ice ages, today's climate, and Boston's glacially influenced earthquake problem. The lecture will be followed by a walk through Garden in the Woods to look at glacial topography and other natural wonders, including spring flowers and migrating birds. Binoculars are suggested.

**Thursday, May 4, 2017, 5-7 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** LEC8009

**Instructor:** Lawford Anderson, professor of earth sciences, department of earth and environment, Boston University

**Fee:** \$8 (Member)/\$10 (Nonmember)

## PLANT IDENTIFICATION TOOLS AND HOW TO USE THEM

Are you an amateur naturalist with an interest in botany but little understanding of how to identify plants? Join Laney Widener for this half-day crash course in plant identification. We will begin inside by reviewing the electronic and print tools for identifying plants, then head into the Garden to learn how to apply them.

**Saturday, May 6, 2017, 1-4 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT4014

**Instructor:** Laney Widener, botanical coordinator, New England Wild Flower Society

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

**Limit:** 16

**Certificate:** Elective: all certificates

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## WILDFLOWERS OF SPRING

Spring is a special time in New England, when many of the region's native plants bloom en masse. This class offers a quick introduction to seasonal favorites. We will learn to identify flowers, habitats, and pollinators through a combination of classroom instruction and a walk in the field at Garden in the Woods. Bring a hand lens and *Wildflowers of New England*.

**Saturday, May 20, 2017, 10 a.m.-1 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT4010

**Instructor:** Neela de Zoysa, botanist

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

**Limit:** 20

**Certificate:** Elective: all certificates

**Cosponsor:** Mass Audubon

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## BASIC WETLAND ID AND DELINEATION

This two-day course introduces the principal elements of wetland identification including wetland hydrology, hydric soils, and hydrophytic plants. We will identify plants in the field, place a delineation line, and utilize web resources. Recommended gear includes a field notebook, field guides, soil color charts, an auger, and rainwear. Bring a bag lunch. Some preclass reading is required.

**Friday, June 2, Saturday, June 3, 2017, 9 a.m.-4 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** WET2010

**Instructor:** Alan Anacheka-Nasemann, ecologist and wetland scientist

**Fee:** \$160 (Member)/\$200 (Nonmember)

**Limit:** 12

**Certificate:** Core: Adv.FB; Elective: FB

**Cosponsor:** Massachusetts Association of Conservation Commissions

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## WETLAND SHRUBS

With its varied wetland habitats, including a pond, a stream, and a bog, Garden in the Woods is an excellent field site for examining shrubs that grow in and around wetlands. You will be introduced to 15-20 New England shrubs as well as a handful of shrubs that grow in higher and drier habitats. Please bring lunch as well as a hand lens and a field guide to shrubs, if you have them.

**Saturday, June 10, 2017, 10 a.m.-2 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** WET3019

**Instructor:** Roland "Boot" Boutwell, naturalist

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

**Limit:** 16

**Certificate:** Elective: FB/Adv.FB

**Cosponsor:** Massachusetts Association of Conservation Commissions

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## BOTANICAL INVENTORY METHODS

Learn botanical survey methods and spend a day 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. The class will then spend a full day in the field putting these methods into practice. Bring a bag lunch, compass, hand lens, and GPS unit if you have one.

**Thursday, June 15, 6:30-8:30 p.m.; Saturday, June 17, 2017, 10 a.m.-4 p.m.**

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

**Program Code:** BOT2050

**Instructor:** Ted Elliman, botanist and author of *Wildflowers of New England*

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

**Limit:** 16

**Certificate:** Core: FB; Elective: all certificates

**Cosponsor:** Massachusetts Association of Conservation Commissions

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Bracken fern (*Pteridium aquilinum*)

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## WETLAND PLANT ID

Some of the most productive ecosystems on earth are wetlands, but apart from their proximity to water, wetland habitats vary considerably. This is your chance to learn about the indicator plants of different wetland habitats, including shrubs, wildflowers, sedges, grasses, ferns, and some aquatic species. The class features an evening lecture that will present images of wetland plants and a field trip to a site with a variety of wetland plant communities. Bring a hand lens, lunch, and water; be prepared for wet feet.

**Monday, June 19, 6:30-8:30 p.m., Thursday, June 22, 2017, 10 a.m.-2 p.m.**

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

**Program Code:** WET1000

**Instructor:** Ted Elliman, botanist and author of *Wildflowers of New England*

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

**Limit:** 18

**Certificate:** Elective: FB/Adv.FB

**Cosponsor:** Massachusetts Association of Conservation Commissions

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## HYDRIC SOILS

This course for environmental professionals serves as an introduction or refresher on hydric soils, with a focus on understanding the current field indicators of hydric soils in the United States (USDA-NRCS), the basis for the U.S Army Corps of Engineers' soil descriptions. During the morning classroom session, we will review basic soil descriptors including color, texture, and soil development, specifically hydric characteristics and redoximorphic features. In the afternoon field session, we will learn to apply these indicators to soils. Bring available field equipment as well as a bag lunch; wear footwear appropriate for muddy conditions.

**Friday, June 23, 2017, 9 a.m.-4 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT4005

**Instructor:** Amanda Atwell, CPSS, project scientist, Epsilon Associates, Inc. and Arthur Allen, CPSS, CWS, vice president, EcoTec, Inc.

**Fee:** \$88 (Member)/\$110 (Nonmember)

**Limit:** 16

**Certificate:** Elective: FB/Adv.FB

**Cosponsor:** Massachusetts Association of Conservation Commissions

# botany + conservation

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## WILDFLOWERS OF SUMMER

With their showy flowers, the summer-blooming native plants of New England are a treat. In this quick introduction to seasonal favorites, we will learn to identify flowers, habitats, and pollinators by combining classroom instruction and a walk in the field at Garden in the Woods. Bring a hand lens and *Wildflowers of New England*.

**Saturday, June 24, 2017, 10 a.m.-1 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT4011

**Instructor:** Neela de Zoysa, botanist

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

**Limit:** 20

**Certificate:** Elective: all certificates

**Cosponsor:** Mass Audubon

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## INTRODUCTION TO GRASSES, SEDGES, AND RUSHES

This class will introduce the three confusing families of graminoids—plants with inconspicuous wind-pollinated flowers and narrow linear leaves—that are dominant plants in fields and wetlands. Participants will learn to distinguish the three families, learn common genera, and study the basics of identification. We'll spend part of the day in the classroom and the rest in the field at Garden in the Woods. Please bring a field guide and a hand lens.

**Sunday, June 25, 2017, 10 a.m.-4 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT3511

**Instructor:** Lisa A. Standley, Ph.D., chief environmental scientist, VHB, Inc.

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

**Limit:** 15

**Certificate:** Elective: FB/Adv.FB

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## PLANTS AND THEIR POLLINATORS

Flowering plants evolved and proliferated because they attracted pollinators that would help them reproduce. Learn about the many ways flowering plants continue their relationships with pollinators today. We'll spend the early evening observing these interactions, then repair indoors for a slideshow on New England's most important pollinators and a discussion of ways to foster relationships between pollinators and plants.

**Tuesday, June 27, 2017, 6:30-8:30 p.m.**

Nasami Farm Nursery, Whately, MA

**Program Code:** BOT4029

**Instructor:** Elizabeth Farnsworth, senior research ecologist, New England Wild Flower Society

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

**Limit:** 20

**Certificate:** Elective: all certificates

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## INTRODUCTION TO PLANT FAMILIES

To really know a plant, you must understand its family. In this class, we'll use microscopic and field investigations to decipher the clues to familial relationships and classifications of the region's wild plants. You will learn the basic formulas for plant structure and practice and apply them to various families. Bring a bag lunch and a hand lens.

**Wednesdays, July 5, 12, 19, 2017, 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

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Little bluestem (*Schizachyrium scoparium*)



## 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 the dominant canopy, structure, range, and species characteristic of each and then apply this knowledge in the field.

**Thursdays, July 6, 13, 6-8:30 p.m.; Saturdays, July 8, 15, 22, 2017, 10 a.m.-2 p.m.**

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

**Program Code:** BOT4000

**Instructor:** Ted Elliman, botanist and author of *Wildflowers of New England*

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

**Limit:** 16

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

**Cosponsor:** Massachusetts Association of Conservation Commissions

## SURVEY OF GRASSES OF THE NORTHEAST

Join the author of *Grasses of the Northeast* to explore grasses using dried specimens and microscopic displays to study the characteristics of 10 tribes and more than 40 genera of common grasses. The first day will be devoted to lecture and specimen examination. On the second day, we'll venture into the field, where you will have the opportunity to apply your new skills. Bring a 10x hand lens and *Grasses of the Northeast*.

**Thursday, July 6, 9 a.m.-3 p.m.; Friday, July 7, 2017, 10 a.m.-2 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** PDW3518

**Instructor:** Dennis Magee, environmental consultant and author of *Grasses of the Northeast*

**Fee:** \$88 (Member)/\$110 (Nonmember)

**Limit:** 16

**Certificate:** PDW: Adv.FB; Elective: all certificates

## PROS AND CONS OF ASSISTED PLANT MIGRATION

Climate change poses many challenges to plants that are adapted to particular environmental conditions. Conservation biologists ask: How best can we protect plant diversity in light of these challenges? Should we actively move plants or genes, protect land that enables plants to migrate on their own, or take other steps? Engage in a moderated, lively discussion based on provided readings and your own opinions.

**Wednesday, July 12, 2017, 6:30-8 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT4027

**Instructor:** Elizabeth Farnsworth, senior research ecologist, New England Wild Flower Society

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

**Limit:** 50

**Certificate:** Elective: all certificates



## FUN WITH FERNS

Elizabeth Farnsworth (aka “Fernsworth”), coauthor of the *Peterson Field Guide to the Ferns*, will introduce you to the major groups of true ferns, moonworts, horsetails, clubmosses, spikemosses, and quillworts. We will learn how to identify these plants, discuss their lifestyles and ecology, view specimens under a microscope, and travel into the field to view a variety of these diverse plants.

**Instructor:** Elizabeth Farnsworth, senior research ecologist, New England Wild Flower Society

**Fee:** \$60 (Member)/\$72 (Nonmember)

**Limit:** 20

**Certificate:** Elective: all certificates

Choose one of two sections:

**Thursday, July 13, 2017, 10 a.m.-2:30 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT4o26

**Thursday, July 20, 2017, 10 a.m.-2:30 p.m.**

Amherst, MA

**Program Code:** BOT4o28

**Cosponsor:** Hitchcock Center for the Environment

## ANTS IN YOUR PLANTS

E. O. Wilson dubbed ants “the little things that run the world.” Discover these amazing creatures, led by a coauthor of *Field Guide to Ants of New England*. Enjoy a slideshow about their biology, followed by a foray to find many ants. Learn how to identify and appreciate these creatures, which are essential to the life of plants—and humans.

**Saturday, July 15, 2017, 1-3:30 p.m.**

Amherst, MA

**Program Code:** BOT3o4o

**Instructor:** Elizabeth Farnsworth, senior research ecologist, New England Wild Flower Society

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

**Limit:** 20

**Certificate:** Elective: all certificates

**Cosponsor:** Hitchcock Center for the Environment

## TREE IDENTIFICATION

“I think that I shall never see/A poem lovely as a tree.” The trees of New England are both beautiful and an essential part of our flora. This course will introduce you to 25–30 common New England trees, emphasizing tree identification as well as natural history. Bring a hand lens and a bag lunch. The first class will be held at Garden in the Woods; the second at an off-site location.

**Wednesday, July 26, 10 a.m.-2p.m.; Friday, July 28, 2017, 10 a.m.-2 p.m.**

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

**Program Code:** BOT326o

**Instructor:** Roland “Boot” Boutwell, naturalist

**Fee:** \$106 (Member)/\$128 (Nonmember)

**Limit:** 16

**Certificate:** Elective: all certificates

**Cosponsor:** Massachusetts Association of Conservation Commissions

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## ADVANCED PLANT INVENTORY TECHNIQUES

This course will cover the procedures and techniques for conducting a botanical inventory on conservation land. Following an evening session during which we will review research and sampling methods, we will spend a full day in the field inventorying the vascular plants on an ecologically diverse site. On the second evening, we will review our results, identify plants that were puzzling in the field, and compile a complete list of our findings.

**Thursdays, August 3, 10, 6:30-8:30 p.m.;**  
**Sunday, August 6, 2017, 10 a.m.-4 p.m.**

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

**Program Code:** BOT2055

**Instructor:** Ted Elliman, botanist and author of *Wildflowers of New England*

**Fee:** \$160 (Member)/\$200 (Nonmember)

**Limit:** 16

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

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## 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, August 7, 14, 21, 2017, 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

**Cosponsor:** Massachusetts Association of Conservation Commissions



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## NATURAL COMMUNITY SURVEY TECHNIQUES

Learn how to prepare, execute, and create a natural plant community survey report for a conservation property. The class will cover how to identify plant communities based on state community classifications and how to determine rarity ranking and quality ranking of natural community types. We will begin by looking at resources for planning and then discuss how to conduct and prepare for field work. Next, we will spend a day in the field mapping plant communities. After this field session, we will meet in the classroom to review how to summarize data and create a professional report of findings. For the field sessions, bring a bag lunch, water, a compass, a clipboard, a camera, and a GPS unit if you have one. This class is geared for professionals, conservation commissioners, and land trust members. Some plant identification knowledge is required.

**Wednesdays, August 23, 30, 6:30-8:30 p.m.;**  
**Saturday, August 26, 2017, 10 a.m.-4 p.m.**

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

**Program Code:** BOT4009

**Instructor:** Patricia Swain Rice, natural community ecologist

**Fee:** \$106 (Member)/\$128 (Nonmember)

**Limit:** 18

**Certificate:** Elective: FB/Adv.FB

**Cosponsor:** Massachusetts Association of Conservation Commissions

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## NATIVE NEW ENGLAND SHRUBS

Shrubs vary widely in size, shape, color, bark, flower, and fruit. This course will introduce you to almost 50 native New England shrub species, emphasizing plant identification, family characteristics, and historical plant uses. Bring a hand lens. Weekend sessions will be held off-site; directions will be provided during the first class.

**Thursdays, September 7, 14, 21, 6:30-8:45 p.m.;**  
**Sundays, September 10, 17, 2017, 9 a.m.-1:30 p.m.**

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

**Program Code:** BOT3300

**Instructor:** Roland "Boot" Boutwell, naturalist

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

**Limit:** 16

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

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## MUSHROOMS FOR BEGINNERS

Mushrooms are tremendously diverse and play an important ecological role. In this class, we will first learn about basic fungal biology and identification and then head out to the Garden for a mushroom foray. After lunch, we will identify our finds using field guides and microscopes. Bring a bag lunch and a hand lens if you have one.

**Saturday, September 9, 2017, 10 a.m.-2 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT3813

**Instructor:** David Hibbett, mycologist, Clark University

**Fee:** \$50 (Member)/\$62 (Nonmember)

**Limit:** 12

**Certificate:** Elective: FB/Adv.FB

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## WILDFLOWERS OF FALL

Fall-booming New England natives are the swan song of the growing season, with the explosion asters, goldenrods, and others providing a last burst of color before winter. In this quick introduction to fall favorites, you will learn to identify flowers, habitats, and pollinators through a combination of classroom instruction and a walk in the field at the Garden. Bring a hand lens and *Wildflowers of New England*.

**Saturday, September 16, 2017, 10 a.m.-1 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT4012

**Instructor:** Neela de Zoysa, botanist

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

**Limit:** 20

**Certificate:** Elective: all certificates

**Cosponsor:** Mass Audubon

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## ASTERS AND GOLDENRODS

In late summer and early fall, asters and goldenrods come into their own. The morning discussion will include a presentation of the many asters and goldenrods in our region, focusing on their ecology and identification features. We will also examine specimens from the Society's herbarium. Later we'll visit a nearby natural area to identify the asters and goldenrods growing in the fields, woodlands, and wetlands. In the field, we'll look carefully at the differences that characterize these species. Bring a hand lens and a bag lunch.

**Saturday, September 23, 2017, 9:30 a.m.-4 p.m.**

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

**Program Code:** PDW4400

**Instructor:** Ted Elliman, botanist and author of *Wildflowers of New England*

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

**Limit:** 18

**Certificate:** PDW: Adv.FB; Elective: all certificates

**Cosponsor:** Massachusetts Association of Conservation Commissions

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## 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 region's forest from the Ice Age through European settlement. Learn to identify native 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. The course includes two weekend field trips.

**Tuesdays, September 26, October 3, 10, 17, 24, 6:30-8:30 p.m.; Saturday, October 14, 12-4 p.m.; Saturday, October 21, 2017 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

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## 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, September 28, October 5, 12, 19, 26, November 2, 2017, 6:30-9 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT1000

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

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

**Limit:** 14

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

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## 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 study the basic ecological problems created by these aggressive species and the complicated issues involved in controlling them. You will learn to identify many of New England's invasive species through images, specimens, and a local field visit. Bring a bag lunch and a hand lens; wear waterproof shoes and dress appropriately for the weather.

**Friday, October 20, 6:30-8:30 p.m.; Saturday, October 21, 2017, 10 a.m.-4 p.m.**

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

**Program Code:** BOT5130

**Instructor:** Ted Elliman, botanist and author of *Wildflowers of New England*

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

**Limit:** 16

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

**Sponsor:** Massachusetts Association of Conservation Commissions

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## CONSERVATION BIOLOGY

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

**Sundays, January 7, 14, 21, 2018, 10 a.m.-3:30 p.m. (snow date: January 28)**

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

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## IN THE FIELD

Nothing beats the experience of seeing native plants in their natural environments. These expert-led excursions provide unique access to varied habitats and unusual native plants.

### FIELD TRIP DIFFICULTY RATING

#### Easy

The hike covers mostly level ground and possibly a few gentle hills; walking surfaces are relatively smooth. Easy hikes are generally suitable for anyone who enjoys walking.

#### Easy/moderate

The hike is not flat, but the elevation gain is less than 500 feet per mile. Hikers should be prepared for some gentle uphill walking and possibly a few short, steeper sections.

#### Moderate

The hike ascends at a steady incline, usually 500-800 feet per mile, which would be unsuitable for someone not accustomed to hiking.

#### Moderate/difficult

The hike is challenging, with an average elevation gain of 500-800 feet per mile and some steeper sections or rougher walking conditions. This designation also describes hikes that are quite steep but relatively short.

#### Difficult

The hike features steep inclines and rough footing or rock scrambles. The gain in elevation averages more than 800 feet per mile and frequently reaches or exceeds 1,000 feet or more per mile.

### HORSENECK POINT

Westport's Cherry & Webb Conservation Area includes a stretch of grassy and wooded dunes along the coast of Buzzards Bay. Adjacent to Horseneck Beach State Reservation, this town property is an ideal place to learn about the communities that occur on the dunes of a barrier beach system. We will explore the distinctive physical features and plants that help define these communities. Bring a bag lunch, water, compass, and a clipboard if available.

**Habitat:** maritime dune community, maritime pitch pine woodland on dunes, interdunal marsh and swale, and pitch pine-oak forest

**Known for:** natural communities that occur on dunes on a barrier beach

**Difficulty:** moderate

**Saturday, April 8, 2017, 10 a.m.-3 p.m.**

Westport, MA

**Program Code:** FDT8037

**Instructor:** Patricia Swain, natural community ecologist

**Fee:** \$47 (Member)/\$58 (Nonmember)

**Limit:** 18

**Certificate:** Field: FB/Adv.FB





## MAPLE HILL WILDLIFE MANAGEMENT AREA

This site is in the limestone/marble area of western Berkshire County and supports excellent patches of rich, mesic forest, including common and rare spring ephemeral wildflowers that grow under the forest's full canopy. We will explore the plant communities of the area and note the variations due to slope, exposure, aspect, bedrock—and land use history. Spring ephemerals should be abundant. Bring a bag lunch, water, compass, and a clipboard if available.

**Habitat:** northern hardwood forest including rich, mesic forest and less rich, more typical variants

**Known for:** spring ephemerals, sugar maple, and other northern hardwoods

**Difficulty:** moderate

**Sunday, April 23, 2017, 10 a.m.-3 p.m.**

West Stockbridge, MA

**Program Code:** FDT8025

**Instructor:** Patricia Swain, natural community ecologist

**Fee:** \$47 (Member)/\$58 (Nonmember)

**Limit:** 18

**Certificate:** Field: FB/Adv.FB

## MANCHESTER POND RESERVOIR

This town conservation land around Manchester Pond (a reservoir) is located about a mile from downtown Attleboro. The prevailing oak and oak-hickory forests with flowering dogwood in the subcanopy are mixed with patches of forests featuring northern hardwoods and spring ephemerals. Plant communities uncommon in eastern Massachusetts—sugar maple and ash forests with spring ephemerals—will be explored, as will the more typical oak forests. Bring a bag lunch, water, compass, and a clipboard if available.

**Habitat:** deciduous forest

**Known for:** oak forest

**Difficulty:** moderate

**Saturday, May 6, 2017, 10 a.m.-3 p.m.**

Attleboro, MA

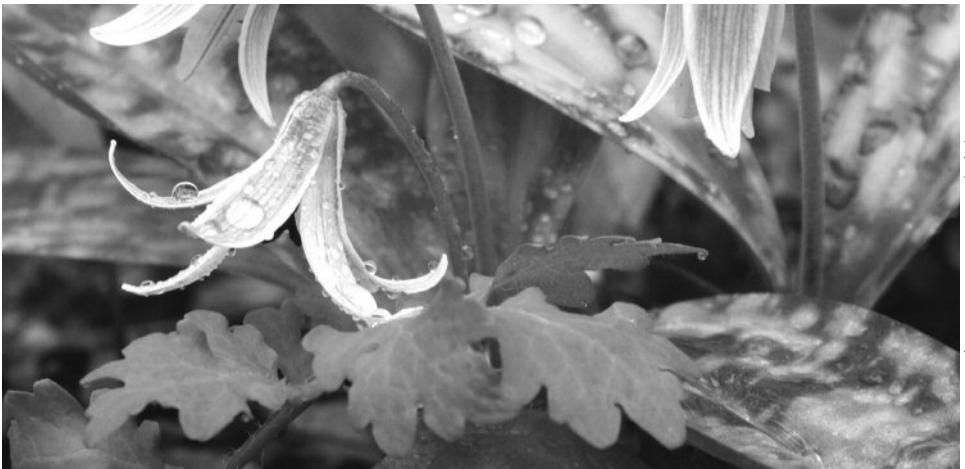
**Program Code:** FDT8026

**Instructor:** Patricia Swain, natural community ecologist

**Fee:** \$47 (Member)/\$58 (Nonmember)

**Limit:** 18

**Certificate:** Field: FB/Adv.FB



American trout-lily (*Erythronium americanum*)



## HOBB'S FERN SANCTUARY

The northern hardwood and spruce-fir forests of the Hobbs Fern Sanctuary have an amazing diversity of wildflowers and ferns, including several state-listed species that will be the focus of our visit. We'll also explore the site's wetland habitats, which include many plants typical of northern swamp ecosystems.

**Habitat:** hardwood and conifer forests and swamp

**Known for:** great diversity of ferns and spring wildflowers

**Difficulty:** moderate

**Saturday, May 13, 2017, 11 a.m.-3 p.m.**

Lyman, NH

**Program Code:** FDT4020

**Instructor:** Ted Elliman, botanist and author of *Wildflowers of New England*

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

**Limit:** 16

**Certificate:** Field: FB/Adv.FB

## THE SECRET GARDEN: SPRING IN WILL'S WOODS

Leave the beaten track and explore the natural woodlands of Garden in the Woods, which comprise about two-thirds of the Garden's 45 acres. You'll see why Will Curtis fell in love with this land in the 1930s. It is filled with gorgeous plants including pink lady's-slipper, false hellebore, and ironwood. Expect to see a host of spring wildflowers in bloom. The walk will focus on plant identification as well as natural history. Bring a hand lens if you have one.

**Habitat:** oak-hickory forest with a stream

**Known for:** lady's-slipper, false hellebore, and high plant diversity

**Difficulty:** easy

**Tuesday, May 16, 2017, 12:30-3 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** FDT1036

**Instructor:** Roland "Boot" Boutwell, naturalist

**Fee:** \$23 (Member)/\$28 (Nonmember)

**Limit:** 16

**Certificate:** Field: FB/Adv.FB



Maidenhair fern (*Adiantum*)

## CRITICAL HABITATS OF THE HANGING HILLS

The Hanging Hills are a range of mountainous traprock ridges in south central Connecticut that overlook the city of Meriden and the Quinnipiac River valley 900 feet below. This hike is intended to be a botanical review of several of the iconic critical habitats and characteristic plants associated with traprock ridges.

**Habitat:** subacidic rock summit/outcrop, cedar and ash-hickory glades, rich mesophytic forest, subacidic talus, including an ice cave community, and traprock ridge vernal pool

**Known for:** rich, mesic woods species, rare and uncommon sedges, and northern-affinity species

**Difficulty:** moderate/difficult

**Sunday, May 21, 2017, 10 a.m.-3 p.m.**

Meriden, CT

**Program Code:** FDT8034

**Instructor:** Bill Moorhead, consulting field botanist

**Fee:** \$48 (Member)/\$60 (Nonmember)

**Limit:** 18

**Certificate:** Field: FB/Adv.FB




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## WILD EDIBLES WALK

Join Russ Cohen, expert forager and author of *Wild Plants I Have Known...and Eaten*, for a walk around Drumlin Farm to learn about the tastiest wild plant species in our midst. We will discuss identification tips, edibility, seasonality, and preparation methods, along with general guidelines for safe and environmentally responsible foraging. We'll end the evening sipping and snacking on tasty foraged treats.

**Habitat:** disturbed habitat, field, and woodland edge

**Known for:** weeds and invasive species typical of farm field edges, such as stinging nettle, burdock, Japanese knotweed, and autumn olive; native species with similar habitat preferences such as elderberry, sumac, pokeweed, and black raspberry

**Difficulty:** easy

**Wednesday, May 24, 2017, 6-9 p.m.**

Drumlin Farm Wildlife Sanctuary, Lincoln, MA

**Program Code:** FDT1108

**Instructor:** Russ Cohen, author and naturalist

**Fee:** \$32 (Member)/\$38 (Nonmember)

**Limit:** 30

**Certificate:** Field: FB/Adv.FB

**Cosponsor:** Mass Audubon

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## PINE HOLE BOG AND HOLT HILL

Join us for a visit to this beautiful property, which includes a rare quaking bog. We'll look for wild calla, cranberry, swamp azalea, and other bog plants along the boardwalk. We'll ascend Holt Hill, the highest hill in Essex County, for a look at the Boston skyline. The walk will focus on plant identification and natural history. Bring a bag lunch and a hand lens if you have one.

**Habitat:** quaking bog and upland oak-hickory forest

**Known for:** bog plants including leatherleaf, horsetail, arrow arum, and sundew

**Difficulty:** easy/moderate

**Sunday, June 4, 2017, 10 a.m.-2 p.m.**

Ward Reservation, Andover and North Andover, MA

**Program Code:** FDT1075

**Instructor:** Roland "Boot" Boutwell, naturalist

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

**Limit:** 12

**Certificate:** Field: FB/Adv.FB

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## WILD COASTAL EDIBLES

Discover dozens of nutritious wild coastal edible plants. Join Russ Cohen, foraging expert and author of *Wild Plants I Have Known...and Eaten*, for a walk at Dolliber's Cove and Crowninshield Island in Marblehead, MA. You'll learn how to identify, find, and prepare edible coastal plants safely and responsibly.

**Habitat:** disturbed wetland and young woods habitat, plus a coastal island

**Known for:** weeds and invasive species such as stinging nettle, burdock, Japanese knotweed, and black locust; natives such as fox grape, sassafras, wild lettuce, and sumac; and coastal species such as beach plum, beach rose, beach pea, and edible seaweed

**Difficulty:** easy/moderate

**Saturday, June 3, 2017, 10 a.m.-1 p.m.**

Marblehead, MA

**Program Code:** FDT1038

**Instructor:** Russ Cohen, author and naturalist

**Fee:** \$32 (Member)/\$38 (Nonmember)

**Limit:** 20

**Certificate:** Field: FB/Adv.FB



Beach plum (*Prunus maritima*)



## WENDELL STATE FOREST'S HIDDEN VALLEY

Explore this “secret” trail traversing a 66-acre inholding within the Wendell State Forest. The hike will feature spectacular cliffs, Jerusalem Hill Overlook, Lyons Brook, historic foundations, waterfalls, and diverse forests with numerous mosses, ferns, and wildflowers. For many years, this land was the research camp of the famous botanist Arthur Cronquist, who observed that “time here refreshes my soul.”

**Habitat:** mixed northern hardwood forest, rocky outcrop/summit, and streambanks

**Known for:** red trillium, fantastic views, and interesting bedrock

**Difficulty:** moderate

**Saturday, June 10, 2017, 1-4:30 p.m.**

Wendell State Forest, Wendell, MA

**Program Code:** FDT8023

**Instructor:** Elizabeth Farnsworth, senior research ecologist, New England Wild Flower Society

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

**Limit:** 15

**Certificate:** Field: FB/Adv.FB

## KINGSLAND BAY STATE PARK

Kingsland Bay State Park sits on the picturesque shores of Lake Champlain. Much of the 264-acre park is a natural area. We will hike natural-area trails to observe the early summer limestone flora. Expect lots of ferns, spring ephemerals, and some rare crucifers. Bring a bag lunch.

**Habitat:** limestone bluff cedar-pine forest

**Known for:** rich limestone flora and rare rockcress

**Difficulty:** easy/moderate

**Saturday, June 10, 2017, 9 a.m.-12 p.m.**

Ferrisburgh, VT

**Program Code:** FDT8031

**Instructor:** Bob Popp, botanist, Vermont Fish & Wildlife Department

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

**Limit:** 15

**Certificate:** Field: FB/Adv.FB

## BARTHOLOMEW'S COBBLE: FERNS AND WILDFLOWERS

Created by geologic upheavals when the Taconic and Berkshire ranges were formed, this 100-foot-high bedrock outcropping along the banks of the Housatonic River supports 800 plant species, including many limestone-loving specimens, and offers terrific mountain vistas. We'll explore the floodplain forests of this rugged and exotic landscape while looking for native ferns and wildflowers.

**Habitat:** floodplain forest

**Known for:** spring wildflowers and fern diversity

**Difficulty:** easy/moderate

**Friday, June 16, 2017, 10:30 a.m.-1:30 p.m.**

Sheffield, MA

**Program Code:** FDT2013

**Instructor:** Julie Richburg, ecologist, The Trustees of Reservations

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

**Limit:** 15

**Certificate:** Field: FB/Adv.FB



Pitch pine (*Pinus rigida*)



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## POUTWATER POND

The bog at Poutwater Pond has been around for more than 8,000 years. Enveloped by 224 acres of forest, the bog is home to hundreds of bacteria, algae, plant, and animal species. We will hike through a forested conservancy area to the pond to investigate the sphagnum bog and its diverse flora.

**Habitat:** kettle hole level bog and spruce-tamarack bog

**Known for:** unusual bog flora such as pitcher plant

**Difficulty:** easy

**Saturday, June 17, 2017, 10 a.m.-12 p.m.**  
Holden, MA

**Program Code:** FDT8035

**Instructor:** Robert Wernerehl, State Botanist of Massachusetts

**Fee:** \$21 (Member)/\$25 (Nonmember)

**Limit:** 18

**Certificate:** Field: FB/Adv.FB

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## HORN POND MOUNTAIN IN FLOWER

Nestled beneath Horn Pond Mountain, Horn Pond is set amidst 550 acres of open space filled with a rich diversity of plant life. There are more than 600 plant species on the mountain alone and many flower in June, making this area a delightful spot for field identification. This walk will focus on wildflower identification as well as natural history and lore. Bring a bag lunch, a copy of *Newcomb's Wildflower Guide*, and a hand lens.

**Habitat:** small monadnock, oak-hickory forest, and pitch pine-scrub oak plant community

**Known for:** scrub oak, pitch pine, and a profusion of wildflowers

**Difficulty:** easy/moderate

**Sunday, June 25, 2017, 10 a.m.-2 p.m.**

Horn Pond Conservation Area, Woburn, MA

**Program Code:** FDT8028

**Instructor:** Roland "Boot" Boutwell, naturalist

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

**Limit:** 16

**Certificate:** Field: FB/Adv.FB

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## DISTANT HILL GARDENS

This biologically diverse 58-acre property has an exceptional number of natural habitats. Join Michael Nerrie, Distant Hill's chief environmental observer, to explore the property, including the calcium-rich forests and fields, vernal pools, forest seeps, red maple swamp, and boardwalk-accessible wetland complex—all of which support a wide assortment of native plants.

**Habitat:** wetland complex, vernal pools, seeps, red maple swamp, upland meadows, and rich and semirich, dry-mesic hardwood-conifer forests

**Known for:** native plants, accessible nature trail, uncommon geological features including pegmatite boulders, exposed calcium-infused bedrock, and rare stretched-pebble metaconglomerate outcrops

**Difficulty:** easy/moderate

**Sunday, June 25, 2017, 1-4 p.m.**

Distant Hill Garden, Walpole, NH

**Program Code:** FDT8030

**Instructor:** Michael Nerrie, steward and naturalist, Distant Hill Gardens

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

**Limit:** 18

**Certificate:** Field: FB/Adv.FB

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Rose pogonia (*Pogonia ophioglossoides*)

## CHICKERING BOG NATURAL AREA

Just 15 minutes from Montpelier, VT, this open peatland surrounded by dark tamarack, spruce, and fir forest seems a world away. We'll walk the one-mile forested loop trail that includes a boardwalk and viewing platform. We'll see orchids (dragon's mouth, grass pink, rose pogonia) and insectivorous plants and talk about how fens form and plants adapt to this challenging environment.

**Habitat:** northern hardwood forest and rich fen

**Known for:** insectivorous plants and fen orchids

**Difficulty:** moderate

**Sunday, July 9, 2017, 9:30 a.m.-12 p.m.**

Calais, VT

**Program Code:** FDT8032

**Instructor:** Rose Paul, director of critical lands and conservation science, The Nature Conservancy

**Fee:** \$23 (Member)/\$28 (Nonmember)

**Limit:** 14

**Certificate:** Field: FB/Adv.FB

## HARVEY BUTLER RHODODENDRON SANCTUARY

Come see this beautiful 30-acre Society sanctuary, which is home to at least 39 species of wildflowers, including spicebush, *Clintonia*, and painted trillium, as well as a 5.3-acre stand of great rosebay (*Rhododendron maximum*), a very rare species in Maine. The site, which borders a red maple swamp

and wet meadow, is listed on the Maine State Register as a Critical Area. We should see the great rosebay in bloom!

**Habitat:** deciduous woodland, red maple swamp, and wet meadow

**Known for:** rhododendron and other plants uncommon in Maine

**Difficulty:** moderate

**Saturday, July 22, 2017, 9:30 a.m.-12 p.m.**

Alfred, ME

**Program Code:** FDT8038

**Instructor:** Heather McCargo, executive director, Wild Seed Project

**Fee:** \$23 (Member)/\$28 (Nonmember)

**Limit:** 16

**Certificate:** Field: FB/Adv.FB

## CLINTON BLUFFS WILDLIFE MANAGEMENT AREA

Situated along the banks of the South Nashua River, Clinton Bluffs Wildlife Management Area has a mix of barrens with dry oak and floodplain deciduous forest communities. We will explore the distinctive physical features and plants that help define these communities. Part of the site discussion will focus on the obvious effects of disturbances such as fire and flood on the local natural communities.

**Habitat:** barrens and deciduous forest

**Known for:** sandplain heathland, deciduous forest, and floodplain

**Difficulty:** moderate

**Saturday, July 29, 2017, 10 a.m.-2 p.m.**

Clinton Bluff Wildlife Management Area, Clinton, MA

**Program Code:** FDT8027

**Instructor:** Patricia Swain, natural community ecologist

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

**Limit:** 18

**Certificate:** Field: FB/Adv.FB





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## BRAY LAKE AT MOUNT TOM

Mount Tom State Reservation is home to a rich variety of plants. We will walk along the lakeshore with its gorgeous wetlands, continue through uplands of rich, dry soils derived from volcanic (basalt) bedrock, and then head downhill into a floodplain with contrasting vegetation.

**Habitat:** wetlands and rich forest

**Known for:** rich forest, interesting composites, and sedges

**Difficulty:** moderate

**Sunday, August 6, 2017, 10 a.m.-12:30 p.m.**

Mount Tom State Reservation, Holyoke, MA

**Program Code:** FDT8024

**Instructor:** Elizabeth Farnsworth, senior research ecologist, New England Wild Flower Society

**Fee:** \$23 (Member)/\$28 (Nonmember)

**Limit:** 15

**Certificate:** Field: FB/Adv.FB

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## COFFIN WILD FLOWER RESERVATION

This sanctuary is one of seven owned by the Society. Hilly woods, a brook, and 1,256 feet of sandy shore and tidal marsh make up the 177-acre sanctuary, which borders lovely Merrymeeting Bay, well-known for its diversity of waterfowl. This hike along the trails will take us through woodlands that border the east side of the bay to a large, old stand of bigtooth aspen and fascinating freshwater estuary plants that are limited to this rare habitat type. Bring binoculars if you have them; be prepared to get your feet wet!

**Habitat:** estuary and mixed hardwood-conifer forest

**Known for:** freshwater estuary plants

**Difficulty:** easy/moderate

**Sunday, August 13, 2017, 11 a.m.-2:30 p.m.**

Woolwich, ME

**Program Code:** FDT8029

**Instructor:** Ted Elliman, botanist and author of *Wildflowers of New England*

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

**Limit:** 16

**Certificate:** Field: FB/Adv.FB

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## LINCOLN POND BOG AT ASHBURNHAM STATE FOREST

Join Dr. Paul Somers for a walk through the bog at Lincoln Pond. We'll explore the bog vegetation, which includes many heaths, sedges, and spruce-fir and northern hardwood forests. If time allows, we will explore other bog sites nearby. Wear footwear for wet conditions. Bring a brown bag lunch.

**Habitat:** bog and spruce-fir and northern hardwood forests

**Known for:** black spruce, tamarack, pitcher plant, and heaths such as blueberry, velvet-leaved blueberry, large cranberry, Labrador-tea, bog laurel, and early azalea

**Difficulty:** easy

**Saturday, August 19, 2017, 10 a.m.-2 p.m.**

Ashburnham State Forest, Ashburnham, MA

**Program Code:** FDT8033

**Instructor:** Dr. Paul Somers, retired state botanist, Massachusetts Natural Heritage & Endangered Species Program

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

**Limit:** 16

**Certificate:** Field: FB/Adv.FB



Labrador-tea (*Rhododendron groenlandicum*)

# urban gardening series

The urban gardening series is a set of classes designed to help city dwellers grow healthy, sustainable, and beautiful gardens. Led by New England Wild Flower Society in partnership with the Cambridge Conservation Commission, these free classes take place at the Cambridge Public Library, 449 Broadway, Cambridge, MA.

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## PESTS OF URBAN GARDENS

Designing a garden for a small space is enough of a challenge. But once you have created one, how do you fend off the uninvited guests? Although insects, critters, fungi, and plant diseases are part of gardening, there are ways to discourage the most destructive pests. Bring your questions, and let's find solutions!

**Wednesday, March 8, 2017, 7-8:30 p.m.**

**Program Code:** LEC6563

**Instructor:** Mary Sullivan, client relationship and account manager, NatureWorks Landscape Services, Inc.

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## BUILDING A DROUGHT-TOLERANT GARDEN

There are drought-tolerant plants and then there are drought-tolerant superstars. Join Dan Jaffe to explore landscaping techniques for drought-proofing your garden. Learn which plants managed best in the driest conditions during the worst drought on record—from bee balms for dry, sandy sites to the toughest black-eyed Susans.

**Saturday, April 1, 2017, 10:30 a.m.-12 p.m.**

**Program Code:** LEC6566

**Instructor:** Dan Jaffe, propagator and stock bed grower, New England Wild Flower Society

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## GROWING FOOD IN THE CITY

Even in the city you can grow your own fresh produce. During this lecture, we will discuss garden design and installation, crop planning, plant selection, and organic and ecologically responsible pest and disease management. Whether your goal is to transform your lawn into a vegetable garden or just grow a few herbs, you will learn the techniques for producing edibles in an urban space.

**Wednesday, May 10, 2017, 7-8:30 p.m.**

**Program Code:** LEC6567

**Instructor:** Marie Macchiarolo, landscape specialist, Green City Growers

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## IMPROVING YOUR GARDEN SOIL

Too often, gardeners reach for a quick fix fertilizer to “improve” garden soil and plant health. Unfortunately, all fertilizers are potential pollutants, and gardeners should do their best to avoid them. Learn how to be a better environmental steward and save money by practicing a holistic approach to improving your garden soil.

**Saturday, June 10, 2017, 10:30 a.m.-12 p.m.**

**Program Code:** LEC6568

**Instructor:** Mark Richardson, botanic garden director, New England Wild Flower Society

# urban gardening series

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## NIBBLING ON NATURE IN THE CITY

Join Russ Cohen as he discusses the comestible virtues of at least three dozen wild plants commonly found in urban habitats such as vacant lots, bike path edges, ball fields, weedy areas around community garden plots, and your yard. Keys to the identification of each species will be provided, along with information on which parts of the plant are edible, seasons of availability, preparation methods, and guidelines for safe and environmentally responsible foraging.

**Wednesday, July 12, 2017, 7-8:30 p.m.**

**Program Code:** LEC6570

**Instructor:** Russ Cohen, expert forager and author of *Wild Plants I Have Known...and Eaten*

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## GARDEN AND LANDSCAPE MAINTENANCE

We should all strive to be lazier gardeners. Sometimes our maintenance practices are counterproductive. Learn a better approach to garden and landscape maintenance that will make your garden more sustainable and give you more time to stop and smell the flowers!

**Saturday, August 12, 2017, 10:30 a.m.-12 p.m.**

**Program Code:** LEC6569

**Instructor:** Mark Richardson, botanic garden director, New England Wild Flower Society



Common strawberry (*Fragaria virginiana*)

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## RAINWATER HARVESTING

Water is essential to our lives: we drink it, cook with it, use it to wash our dishes and clothes, and much more. In the face of climate change, water availability has become a hot topic: It rains too much or too little. Water bans, flooding, and erosion are now commonplace. In this class, you will learn simple methods for capturing and reusing stormwater and slowing runoff. We'll discuss rainwater harvesting and creating rain gardens to make the most of every drop.

**Thursday, March 2, 2017, 10 a.m.-12 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR4076

**Instructor:** Trevor Smith, lead designer, Land Escapes Design

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

**Certificate:** Elective: HD/Adv.HD

**Cosponsor:** Ecological Landscape Alliance

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## XERISCAPING

Xeriscaping is landscaping that requires no supplemental irrigation once plants have been established. Native plants that are well adapted to the environment and climate can help reduce the need for watering in a garden. Alternatively, landscapes can be designed to eliminate the need for irrigation through water conservation. This class will explain techniques for creating a more drought-proof garden and discuss native plants for xeriscaping in New England.

**Saturday, March 4, 2017, 1-3:30 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR1051

**Instructor:** Benjamin Crouch, proprietor, Land of Plenty

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

**Limit:** 30

**Certificate:** Elective: HD/Adv.HD

**Cosponsor:** Ecological Landscape Alliance

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## BONES OF THE GARDEN: STRENGTHENING THE DESIGN

Every memorable landscape has one thing in common—strong “bones.” The placement of structural plants creates form, directs movement, and organizes the garden. Exploring the concepts of scale and creation of space, you will develop your own site-specific design and receive feedback on your ideas. During the final session, the class will walk in the Garden.

**Monday, March 13; Wednesday, March 15,  
6:30-9 p.m.; Saturday, March 18, 2017,  
9:30 a.m.-1:30 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** PDW4223

**Instructor:** Cheryl Salatino, landscape designer, Dancing Shadows Garden Design, and Massachusetts Certified Horticulturist

**Fee:** \$135 (Member)/\$162 (Nonmember)

**Limit:** 16

**Certificate:** PDW: Adv.HD; Elective: HD

**Cosponsor:** Ecological Landscape Alliance

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## WE'RE IN A TIGHT SPOT

Join Amy Nyman for this one-hour lecture to learn about native plants and design techniques that can be used to beautify small urban spaces.

**Thursday, March 16, 2017, 11 a.m.-12 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** LEC6564

**Instructor:** Amy Nyman, landscape designer and owner, Ruby Leaf Design

**Fee:** \$13 (Member)/\$15 (Nonmember)

**Certificate:** Elective: HD/Adv.HD

**Cosponsor:** Ecological Landscape Alliance

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## RESIDENTIAL LANDSCAPE DESIGN

This multisession 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 habitats will be interspersed with lectures on design principles, including criteria for making plant choices and determining placement in the landscape.

Garden in the Woods, Framingham, MA

**Instructor:** Karen Sebastian, principal, Karen Sebastian, LLC, Landscape Architecture

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

**Limit:** 12

**Certificate:** Core: HD; Elective: Adv.HD

*Choose one of two sections:*

**Thursdays, March 16, 23, 30; April 6, 13, 20, 27, 2017, 6:30-8:30 p.m.**

**Program Code:** HOR4000

**Tuesdays, February 6, 13, 20, 27, 2018; March 6, 13, 20, 2018, 6-8 p.m.**

**Program Code:** HOR4002

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## FOUNDATION GARDENS THAT SAY "WELCOME HOME"

Foundation gardens and entryways can make or break the visual appeal of a home or community building. Unfortunately, foundation plantings are often plagued by poor soil, building shadows, foot traffic, deicers, storm runoff, and more. This seminar offers surprising new ways of seeing the complicated but valuable foundation area through design concepts. Plan before you plant!

**Saturday, March 25, 2017, 10 a.m.-12 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR8002

**Instructor:** Kathy Connolly, landscape designer, Speaking of Landscapes, LLC

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

**Certificate:** Elective: HD/Adv.HD

**Cosponsor:** Ecological Landscape Alliance

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## PROPAGATING NATIVE PLANTS FROM SEED

Learn to propagate native plants from seed in this two-part, hands-on workshop that focuses on practical methods for small-scale propagation. This workshop is appropriate for beginners and propagators with some experience. Take one or both classes.

**Nasami Farm Nursery, Whately, MA**

**Instructor:** Kate Stafford, horticulturist

**Limit:** 15

**Certificate:** Elective: HD/Adv.HD

### PART 1: Seed Dormancy and Sowing Techniques

Practice sowing seeds and take your work home.

**Wednesday, March 29, 2017, 6-8 p.m.**

**Program Code:** HOR1807

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

### PART 2: Seedling Germination and Establishment

Practice transplanting seedlings and take your work home.

**Sunday, May 21, 2017, 10 a.m.-12 p.m.**

**Program Code:** HOR1808

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

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## **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 their characteristics and environmental preferences as well as their uses in 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 27, May 11, 25, June 8, 2017, 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

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## **CONTAINER GARDENING**

Kick those petunias to the curb and create a show-stopping container garden using native plants. Become familiar with the species that thrive in containers and ways to combine them. Learn about containers, soils, fertilizers, and proper container care. Bring your own container and get creative. Plants are available for purchase; potting soil is provided. Perfect timing for a Mother's Day gift!

**Sunday, May 7, 2017, 10 a.m.-12 p.m.**

Nasami Farm Nursery, Whately, MA

**Program Code:** HOR2952

**Instructor:** Kate Stafford, horticulturist

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

**Limit:** 15

**Certificate:** Elective: HD/Adv.HD

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## **BEST NATIVES FOR THE SPRING GARDEN**

Native plants are often bursting with color in spring. From unfurling foliage to fleeting blossoms, spring is a refreshingly colorful season after the long gray winter. Learn which plants to choose for various site conditions to create a long-lasting spring display. Take advantage of striking color combinations that will make your garden sing in spring.

**Thursday, May 18, 2017, 6-8 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR1200

**Instructor:** Mark Richardson, botanic garden director, New England Wild Flower Society

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

**Limit:** 16

**Certificate:** Elective: HD/Adv.HD

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## **RAIN GARDEN FUNDAMENTALS**

As more land is developed for building, badly needed space for stormwater absorption and cleaning is rapidly disappearing. Rain gardens can play a significant role in urban and suburban areas by cleaning, cooling, and slowing runoff so that it doesn't pollute water bodies. Learn how rain gardens work, how you can create a low-tech and effective rain garden, and which durable natives you should plant there.

**Sunday, June 4, 2017, 1:30-3 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR4073

**Instructor:** Anna Fialkoff, horticulturist, New England Wild Flower Society

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

**Limit:** 30

**Certificate:** Elective: HD/Adv.HD

**Cosponsor:** Ecological Landscape Alliance

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## GARDENING WITH NATIVE VINES

Is Boston ivy really from Boston? Although this vine calls Boston's brownstones home, it is indigenous to Asia. Many beautiful native vines can take its place in your garden, including such climbers as honeysuckle, wisteria, clematis, and some lesser-known species. In this lecture and walkabout, you will learn how vines climb and discuss best practices for planting and maintenance.

**Wednesday, June 7, 2017, 10 a.m.-12 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR8006

**Instructor:** Jen Kettell, owner, Jen Kettell Horticulture Education and Consulting

**Fee:** \$31 (Member)/\$36 (Nonmember)

**Limit:** 30

**Certificate:** Elective: HD/Adv.HD

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## DESIGNING A GARDEN FOR ALL SEASONS

How do you both captivate people and provide for wildlife year-round in a garden for all seasons? Anna Fialkoff will discuss garden designs that focus your plant palette on structure and seasonal themes to carry you through the year. Afterward, you will walk through Garden in the Woods and learn how the horticulture team took on this challenge in the Curtis Woodland and Old Meadow designs.

**Friday, June 16, 2017, 10 a.m.-2 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** PDW4401

**Instructor:** Anna Fialkoff, horticulturist, New England Wild Flower Society

**Fee:** \$62 (Member)/\$73 (Nonmember)

**Limit:** 16

**Certificate:** PDW: Adv.HD; Elective: HD

**Cosponsor:** Ecological Landscape Alliance

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## GROWING A VIBRANT SHADE GARDEN

Gardening in the shade is no harder than gardening in sunny areas of the landscape: It just requires more care in choosing plants and more imagination in placing them. Join Dan Jaffe for a crash course on the secrets to shade gardening, from blasts of color to great groundcover filler species.

**Wednesday, June 21, 2017, 1-3 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR1210

**Instructor:** Dan Jaffe, propagator and stock bed grower, New England Wild Flower Society

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

**Limit:** 30

**Certificate:** Elective: HD/Adv.HD

**Cosponsor:** Ecological Landscape Alliance

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## TRIED-AND-TRUE NATIVES

Join Dan Jaffe to learn about 20 native garden plants that will never let you down. Tried-and-true natives are showy, low-maintenance, well-adapted to the landscape, and form the backbone of any beautiful native garden.

**Sunday, July 9, 2017, 10 a.m.-12 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR1211

**Instructor:** Dan Jaffe, propagator and stock bed grower, New England Wild Flower Society

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

**Limit:** 30

**Certificate:** Elective: HD/Adv.HD

**Cosponsor:** Ecological Landscape Alliance

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## BEST NATIVES FOR THE SUMMER GARDEN

In contrast to the frenzy of the spring garden, the summer garden celebrates splashes of color, long-lasting foliage that withstands heat and drought, and the buzzing of pollinators and other wildlife. Learn which plants to choose to create a relaxing summer garden that highlights the beauty of our native flora.

**Tuesday, July 11, 2017, 6-8 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR1300

**Instructor:** Mark Richardson, botanic garden director, New England Wild Flower Society

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

**Limit:** 16

**Certificate:** Elective: HD/Adv.HD

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## BENEFICIAL BUGS AT NASAMI

Tour the greenhouses at Nasami Farm to see how common pests are successfully managed with biological controls—intentionally released insects, mites, nematodes, and micro-organisms—instead of pesticides. Scout for some of these beneficial bugs and their prey. Learn about the grisly fate of an aphid that encounters a predatory wasp. Bring a hand lens and sun protection.

**Wednesday, July 26, 2017, 10-11 a.m.**

Nasami Farm Nursery, Whately, MA

**Program Code:** HOR2959

**Instructor:** Kate Stafford, horticulturist

**Fee:** \$13 (Member)/\$16 (Nonmember)

**Limit:** 25

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## 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 their characteristics and environmental preferences as well as their uses in 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.

**Thursdays, July 27, August 31, 2017, 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

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## WHAT TO PROPAGATE AND HOW TO DO IT

Many propagation classes focus on the details of seed sowing, cuttings, and divisions. While these topics are indeed essential, the missing element is which plants to propagate. Sow hobblebush into a seed flat and you'll be lucky to see any seedlings in spring. Sow bluets into that seed flat and you will have bluets within the month. Dan Jaffe will explain what to propagate as well as how to do it.

**Wednesday, August 2, 1-3 p.m.; Thursday, August 3, 2017, 1-3 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR1212

**Instructor:** Dan Jaffe, propagator and stock bed grower, New England Wild Flower Society

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

**Limit:** 15

**Certificate:** Elective: HD/Adv.HD

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## 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.

**Wednesdays, August 9, 16, 2017, 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

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## SEED SAVING

Seed saving brings tremendous benefits to the willing gardener. Learn how seeds develop, stay dormant, and germinate. This hands-on workshop will cover harvesting, cleaning, and storing a wide spectrum of native seeds. Spend time in the field observing and collecting seeds, then practice cleaning. Bring home the seeds you collect. Bring a lunch and dress appropriately for the field.

**Saturday, August 26, 2017, 10 a.m.-3 p.m.**

Nasami Farm Nursery, Whately, MA

**Program Code:** HOR3205

**Instructor:** Kate Stafford, horticulturist

**Fee:** \$66 (Member)/\$80 (Nonmember)

**Limit:** 15

**Certificate:** Elective: HD/Adv.HD

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Great rosebay (*Rhododendron maximum*)

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## 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 to stagger 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.

**Wednesday, August 30, 10 a.m.-2:30 p.m.;**

**Wednesday, September 6, 11 a.m.-1 p.m.;**

**Wednesday, September 13, 2017, 10 a.m.-2:30 p.m.**

Garden in the Woods, Framingham, MA, and The Arnold Arboretum, Boston, 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

**Cosponsor:** Ecological Landscape Alliance

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## HORTICULTURAL TECHNIQUES

Good horticultural practices form the backbone of any successful garden, and 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. Participants will study the proper techniques for transplanting, preparing soil, mulching, watering, and pruning as well as maintaining, winterizing, and preparing the garden for spring. Bring a bag lunch.

**Wednesdays, October 4, 11, 18, 2017,  
10 a.m.-3 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR3600

**Instructor:** New England Wild Flower Society Horticulture Staff

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

**Limit:** 16

**Certificate:** Core: HD; Elective: Adv.HD

## 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 7, 14, 21, 2018,  
10 a.m.-1:30 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR3904

**Instructor:** Mark Richardson, botanic garden director, New England Wild Flower Society

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

**Limit:** 16

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



Little bluet (*Houstonia caerulea*)



## IN THE GARDEN

**Tour exceptional gardens, talk with homeowners, and learn about the plants they use and the techniques they employ to create functional and beautiful spaces that are harmonious with nature.**

### GARDENING AT THE EDGE OF THE WOODS

Join us for a visit to this small suburban oasis at the edge of woods and wetlands. Gardener extraordinaire Kathy Shamberger will give you a tour of her small yard in Wellesley, MA, and discuss the sustainable gardening practices she employs as well as the native plants and shrubs she grows.

**Wednesday, May 24, 2017, 10 a.m.-12 p.m.**

Wellesley, MA

**Program Code:** HDT8013

**Instructor:** Kathy Shamberger, gardener extraordinaire and trustee, New England Wild Flower Society

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

**Limit:** 18

**Certificate:** Field: HD/Adv.HD

### WILDFLOWERS OF THE FELLS

Join Thelma Hewitt for a lecture on wildflower gardening followed by a tour of the renowned gardens at The Fells Historic Estate & Gardens in Newbury, NH, one of New England's finest examples of an early 20th-century summer estate. Thelma will use photographs of woodland gardens to stimulate your imagination, discuss garden design elements, proper tools, native plants and their soil, moisture, light requirements, and plant combinations that work well together.

**Saturday, May 27, 2017, 10 a.m.-12 p.m.**

Newbury, NH

**Program Code:** HDT4002

**Instructor:** Thelma Hewitt, gardener

extraordinaire and honorary trustee, New England Wild Flower Society

**Fee:** \$21 (Member)/\$25 (Nonmember)

**Limit:** 18

**Certificate:** Field: HD/Adv.HD

**Cosponsor:** The Fells

### THE PLEASURES AND THE PITFALLS OF LANDSCAPING OBSESSIONS

As self-proclaimed “plantaholics,” Susan and Doug Harding have a hard time sticking to their garden design. Into their 1.2-acre lot in Lincoln, MA, they have crammed more than 350 rhododendrons, hundreds of plants from The Arnold Arboretum’s plant sales, and dozens of native plants from the Society. They also have a vegetable garden and orchard. Come enjoy the results of their obsessions.

**Saturday, June 3, 2017, 10:30 a.m.-12 p.m.**

Lincoln, MA

**Program Code:** HDT8012

**Instructor:** Susan and Doug Harding, gardeners extraordinaire

**Fee:** \$18 (Member)/\$21 (Nonmember)

**Limit:** 25

**Certificate:** Field: HD/Adv.HD



The Fells Historic Estate & Gardens



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## THE FARM BETWEEN

Join the owner of The Farm Between, an organic fruit nursery in Jeffersonville, VT, that specializes in fruit trees, berry bushes, and pollinator plants, on a tour and discussion of the biodiversity benefits gained from planting natives in a working landscape. See examples of pollinator habitat, insectaries for beneficial insects, and wildlife conservation areas. The tour will highlight marketable products, including samples from the organic fruit farm.

**Sunday, June 11, 2017, 1-3 p.m.**

The Farm Between, Jeffersonville, VT

**Program Code:** HDT8010

**Instructor:** John Hayden, owner of The Farm Between

**Fee:** \$21 (Member)/\$25 (Nonmember)

**Limit:** 18

**Certificate:** Field: HD/Adv.HD

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## BEE GOOD APIARY WILDFLOWER MEADOW POLLINATOR SANCTUARY

Once a forest, now a three-plus acre wildflower meadow and open field, Bee Good Wildflower Meadow in Mason, NH, is a sanctuary for pollinators. Come explore and observe native and naturalized wildflowers and a slew of pollinators at work.

**Saturday, July 8, 2017, 10-11:30 a.m.**

Mason, NH

**Program Code:** HDT8014

**Instructor:** Rob Doyle, apiarist, Bee Good Apiary

**Fee:** \$18 (Member)/\$21 (Nonmember)

**Limit:** 18

**Certificate:** Field: HD/Adv.HD

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## LANDSCAPING FOR WILDLIFE

Join Michael Nerrie for a tour of the garden at Distant Hill Gardens. This unique environmental and horticultural learning center comprises 58 acres in Walpole, NH, and features more than 400 plant species, many of them natives. We'll examine plants that can attract birds, bees, butterflies, and other wildlife to your garden.

**Sunday, July 23, 2017, 1-3 p.m.**

Walpole, NH

**Program Code:** HDT8011

**Instructor:** Michael Nerrie, steward and naturalist, Distant Hill Gardens

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

**Limit:** 18

**Certificate:** Field: HD/Adv.HD

**Cosponsor:** Ecological Landscape Alliance

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## HAYWOOD BROOK FARM GARDEN

Join Alan Smith for a tour of his gorgeous 16-acre property in Wayland, MA. This well-established site features walled flower gardens, native wildflower meadows, pasture, woodlands, wetland, a pond, a stream, a vegetable garden with greenhouse, and magnificent specimen trees.

**Thursday, August 10, 2017, 10:30 a.m.-12 p.m.**

Wayland, MA

**Program Code:** HDT8015

**Instructor:** Alan Smith, gardener extraordinaire and trustee, New England Wild Flower Society

**Fee:** \$18 (Member)/\$21 (Nonmember)

**Limit:** 18

**Certificate:** Field: HD/Adv.HD

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All programs are for children with adult companions.



## STORY TIME AND MUSICAL PLAY AT GARDEN IN THE WOODS

Children will listen to a nature-themed story, sing songs related to topic of the day, and make nature-inspired crafts. Stories are geared for children ages three to six. Afterward, children will be invited to explore the local flora and fauna in the Garden, play in the Family Activity Area, or pick up a Scavenger Hunt card and take a walk through the woods.

**Saturdays, April 29, May 13, 20, June 10, 24,  
July 8, 22, August, 5, 19, September 9, 23,  
2017, 10:30-11:30 a.m.**

Garden in the Woods, Framingham, MA

**Program Code:** FAM7530

**Instructor:** Elaine Kessler, professional storyteller and children's educator

**Fee:** Free of charge with Garden admission

## PLANT INVESTIGATORS

Go on an investigation to find out what makes plants so awesome! We'll begin by looking for clues that help us understand what a plant is. Then we'll set out on a journey through Garden in the Woods to figure out why the plants in different Garden habitats look so different from one another.

**Saturday, April 22, 2017, 10:30-11:30 a.m.**

Garden in the Woods, Framingham, MA

**Program Code:** FAM7531

**Instructor:** Lisa Maggio, public programs coordinator, New England Wild Flower Society

**Fee:** \$6 (Member)/\$8 (Nonmember)

**Limit:** 16

## WHAT'S UNDER THE GROUND

We can see the flowers, stems, and leaves of plants, but there is much more going on below ground. Get your hands dirty while exploring the fascinating world beneath your feet.

**Saturday, July 15, 2017, 10:30-11:30 a.m.**

Garden in the Woods, Framingham, MA

**Program Code:** FAM7533

**Instructor:** Lisa Maggio, public programs coordinator, New England Wild Flower Society

**Fee:** \$6 (Member)/\$8 (Nonmember)

**Limit:** 16

## SUPERPOWERS OF SUPER PLANTS

Have you ever wished for a superpower? Discover the superpowers of plants and create a super plant of your own during this exploration. You won't believe what plants can do, from eating animals to bursting open!

**Saturday, August 12, 2017, 10:30-11:30a.m.**

Garden in the Woods, Framingham, MA

**Program Code:** FAM7534

**Instructor:** Lisa Maggio, public programs coordinator, New England Wild Flower Society

**Fee:** \$6 (Member)/\$8 (Nonmember)

**Limit:** 16

# 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
- Access to members-only on-demand webinars
- 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](http://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](http://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 .....

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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)

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

JOIN A SOCIETY-SPONSORED TRIP TO

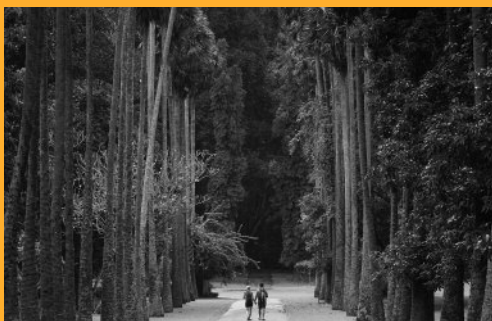
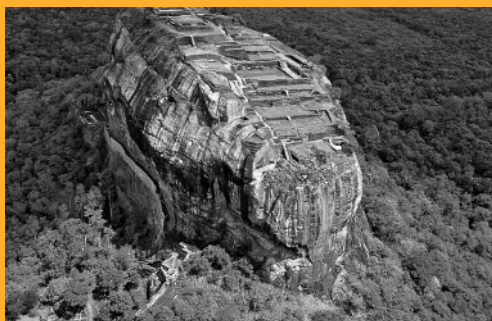
# Sri Lanka

February 9-22, 2018

Explore the jewel of the  
Indian Ocean during this botanical  
and cultural adventure.

Details at

[www.newenglandwild.org/learn/srilanka](http://www.newenglandwild.org/learn/srilanka)



**NEW ENGLAND WILD FLOWER SOCIETY**

HEADQUARTERS & GARDEN IN THE WOODS

180 Hemenway Road

Framingham, Massachusetts 01701-2699

ADDRESS SERVICE REQUESTED