

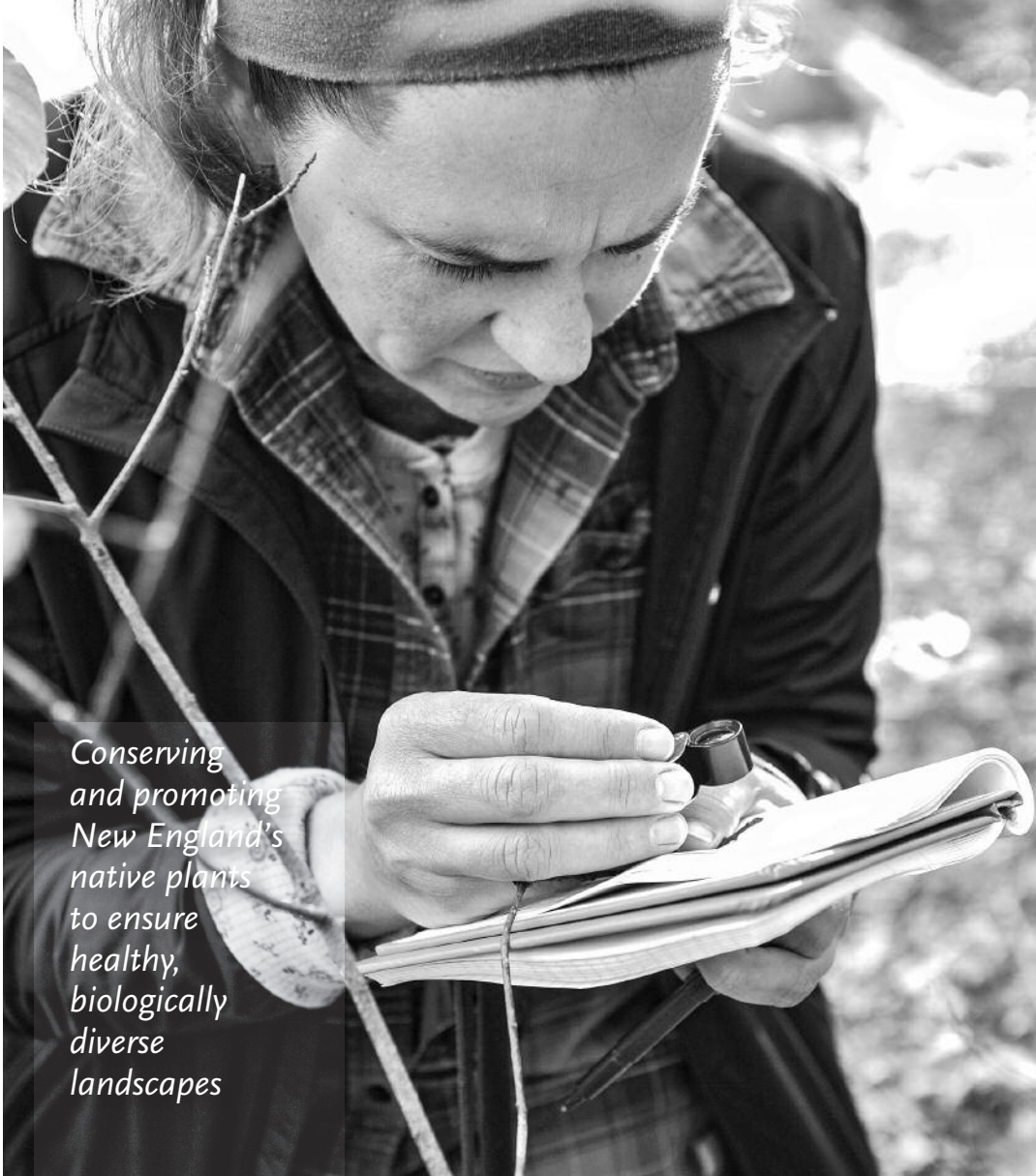
SPRING/SUMMER 2019

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 six sanctuaries in Maine, New Hampshire, and Vermont that are open to the public.

Skunk cabbage (*Symplocarpus foetidus*)



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

### On the Cover

Photo by John Benford



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# *certificates in native plant studies*

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!

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**=Botany or Horticulture field study

**Core**=Core Courses

**Elective**=Elective Classes

**PDW**=Design or Plant Diversity Workshop

### Continuing Education Units (CEUs)

Many of our programs, including these in our certificate requirement, 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

**LACES** - American Society of Landscape Architects' Continuing Education

**MCA** - Massachusetts Certified Arborist

**MCH** - Massachusetts Certified Horticulturist

**MCLP** - Massachusetts Certified Landscape Professional

## 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

## **NATIVE PLANT CONSERVATION IN THE 21ST CENTURY: SPRING SYMPOSIUM**

Join us for a day-long symposium to discuss the most current research, practices, and applications in native plant conservation through a keynote, panels, and workshops led by specialists in the field. The symposium addresses such topics as: roles and current projects of major conservation entities, updated specimen collection and storage strategies, and the impact of climate change on the status of rare native plants. With a focus on the exceptional conservation work and community in Maine and in the greater New England region, this symposium offers a vision for the future of native plant protection. Whether you are a conservation professional or a weekend hobbyist, you will discover new ways to ensure healthy, biologically diverse landscapes! Register at [newenglandwild.org](http://newenglandwild.org) and keep checking our website for the most up-to-date details.

**Friday, April 12, 2019, 10 a.m.-5 p.m.**

Gilsland Farm Audubon Center, Falmouth, ME

**Program Code:** SYM1006

**Fee:** \$75 (Members)/\$90 (Nonmembers)

**Limit:** 125

**Certificates:** Elective: all certificates

**Cosponsor:** Maine Audubon

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## **ARBOR DAY CELEBRATION AND TREE GIVEAWAY**

Join us for this fun-filled, family-friendly day to celebrate trees and forests. There will be children's activities, games, art projects, and investigation stations throughout the Garden. Adults can enjoy guided tours and workshops on planting and pruning trees. We will give away 100 trees on a first-come, first-served basis.

**Saturday, April 27, 2019, 10 a.m.-3 p.m.**

Garden in the Woods, Framingham, MA

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



Speckled Alder (*Alnus incana*)

# special events

## TRILLIUM WEEK • MAY 5-11

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 fourth 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 trillium, beer, 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.

---

### 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 5 through Saturday, May 11, 2019, 1-2 p.m.**

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

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### TRILLIUM WORKSHOP

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 take shovel to soil—and how to select trillium species, prepare a site for planting, and care for a plant once it's in the ground.

**Sunday, May 5; Thursday, May 9; Friday, May 10; and Saturday, May 11, 2019, 2-3 p.m.**

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

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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 5 through Monday, May 6, 2019, 10 a.m.-12 p.m.**

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### TRILLIUMS AND BREWS

Enjoy some of the world's finest craft beers 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. Learn about the plants that brewers use to make beer and then watch a cocktail demonstration featuring fragrant plants. Included with this event are garden access, entertainment, learning activities, and light food.

**Friday, May 10, 2019, 6-8 p.m.**

**Fee:** \$20 (Members)/\$25 (Nonmembers)

# online learning

## 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 102: DEEPER INTO THE GREEN WORLD

Delve deeper into the New England flora in this online 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. Plants 101 is a complement to Plants 102, but is not a prerequisite. You can complete the course at your own pace.

**Class access begins Friday, January 11, 2019 and continues through Friday, April 5, 2019**

**Program Code:** BOTO102

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

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

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### DESIGNING WITH NATIVE PLANTS

This online course teaches the basics of designing with native plants and shows how to incorporate native plants into the 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. You can complete the course at your own pace.

**Class access begins Friday, January 11, 2019 and continues through Friday, April 5, 2019**

**Program Code:** HORO100

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

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

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### PLANTS 101: INTRODUCTION TO THE GREEN WORLD

Explore New England's plant life in this online course. Learn what plants are, how they function, and why they are essential to all life on earth. The course introduces many of the region's native and non-native plants. You can complete the course at your own pace.

**Class access begins Friday, May 3, 2019 and continues through Friday, August 2, 2019**

**Program Code:** BOTO101

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

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

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### GARDENING FOR POLLINATORS

This online course teaches you how to convert a yard into productive pollinator habitat. Learn about issues associated with pollinator decline and current conservation efforts, then explore a variety of pollinators and the native plants that support their life cycles. The course also covers basic pollinator garden design and provides step-by-step instructions for selecting plants and installing and maintaining these habitats. You can complete the course at your own pace.

**Class access begins Friday, May 3, 2019 and continues through Friday, August 2, 2019**

**Program Code:** HORO101

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

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



# online learning

## WEBINARS

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

### SANCTUARIES OF THE SOCIETY

New England Wild Flower Society owns eight plant sanctuaries scattered throughout the region. This webinar offers a brief history, description, and explanation of the ecological and botanical significance of these sanctuaries as well as a discussion of threats to their ecological integrity. This session also covers the challenges of managing a plant sanctuary in today's changing world.

**Tuesday, February 26, 2019, 1-2 p.m.**

**Program Code:** BOTW107

**Instructor:** Bud Sechler, Ecological Programs Coordinator, New England Wild Flower Society

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

**Certificate:** Elective: all certificates

### RAIN GARDEN PLANTS

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

**Thursday, March 7, 2019, 6-7 p.m.**

**Program Code:** HORW211

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

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

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

### ASTERACEAE: BIDENS

The *Bidens* genus is notorious for beggarticks, fruits that attach to hair and clothing for dispersal. This webinar provides a survey of *Bidens* species that occur in New England. The region is home to native and non-native species, including two fresh-tidal species of regional conservation concern. Learn about the macro- and micromorphological features needed to identify the species.

**Wednesday, March 13, 2019, 1-2 p.m.**

**Program Code:** BOTW701

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

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

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



Tall beggarticks (*Bidens vulgata*) by Arthur Haines

# online learning

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## ASTERACEAE: EUPATORIUM

The genus *Eupatorium*, commonly known as thoroughworts, is found throughout much of New England in a variety of upland and wetland habitats. It has recently undergone reclassifications at the genus and species level, which often rely on micro-morphological characteristics. This webinar will help you understand the rationale for splitting the genus and provide you with the vocabulary necessary for species identification. Abundant close-up and habitat-level photographs delineate the features of the new genera.

**Wednesday, April 17, 2019, 1-2 p.m.**

**Program Code:** BOTW702

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

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

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

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## FERNS: FROM THE WILD INTO THE GARDEN

Ferns are an important addition to the garden. They provide unusual form, texture and color, and benefits to wildlife. This webinar offers an overview of native ferns that are appropriate for the home garden. We briefly discuss fern structure and growth, and then forge into native ferns and how to use them in your landscape.

**Friday, April 26, 2019, 1-2 p.m.**

**Program Code:** HORW401

**Instructor:** Leslie Duthie, botanist

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

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

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## INTRODUCTION TO DESIGNING WITH NATIVE PLANTS

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 which principles of design enhance their aesthetic appeal.

**Thursday, May 23, 2019, 6-7 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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## MEADOW GARDENS BEYOND SUMMER

With warm-season grasses and late-blooming wildflowers, meadows come into their own predominantly in the late summer and autumn months. But how can we create appeal for these open landscapes from March through June? Using the Old Meadow at Garden in the Woods as a launching point, staff Horticulturist Anna Fialkoff focuses on what to emphasize during a meadow's off season, for example, using ephemerals out of the woodland context, designing legible layers in the landscape, and drawing the eye to shrubs at the meadow's edge.

**Tuesday, June 4, 2019, 6-7 p.m.**

**Program Code:** HORW345

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

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

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

# online learning

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## WILDLAND FIRE AND PLANT COMMUNITIES

With the growing concern about fire on conserved property throughout the country, you may wonder what wildland fire means for New England. Wildland fire is not as frequent or destructive in our region as in the western U.S.; in fact, a few of our endangered plant communities depend on fire. Learn about pine barrens, which are critical habitats for these plant communities and can be found from Cape Cod to the Connecticut River Valley.

**Tuesday, June 11, 2019, 1-2 p.m.**

**Program Code:** BOTW801

**Instructor:** George LoCascio, naturalist

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

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

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## NATIVE WILDFLOWERS THROUGH THE CHANGING SEASONS

Whether you are new to the study of native plants or have been in the field for years, changing seasons always provide something new to notice about the region's wildflowers. Join us to learn about flowers for different times of year, the pollinators that support them, and the habitats to which they contribute. This webinar gives you an overview of how to make the most of your time outdoors and help conserve the native wonders of New England.

**Tuesday, July 2, 2019, 1-2 p.m.**

**Program Code:** BOTW108

**Instructor:** Neela de Zoysa, botanist

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

**Certificate:** Elective: all certificates

---

## WOODLAND GARDENS BEYOND SPRING

Let's face it, woodland and other shade-heavy gardens peak in early spring, when ephemerals cover the ground, shrubs and small trees bloom, and wildflowers show off yellows, blues, pinks, and whites. How can we extend beauty and interest in these gardens throughout the rest of the growing season? From her years of experience practicing native plant horticulture at Garden in the Woods, Anna Fialkoff will provide insights into the successional staging of plants for colors, textures, nectar sources, and oomph into summer and fall.

**Tuesday, August 6, 2019, 6-7 p.m.**

**Program Code:** HORW344

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

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

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

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## GROWING POLLINATOR-FRIENDLY PLANTS FROM SEED

Learn how to grow the top New England plants for pollinators from seed. The fates of native plants and pollinators are intricately interwoven; both are essential to the environment. Growing from seed is an affordable solution for creating pollinator habitat in a home gardener's yard. This class covers all information needed to raise these pollinator powerhouses.

**Friday, August 30, 2019, 1-2 p.m.**

**Program Code:** HORW212

**Instructor:** Kate Stafford, horticulturist

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

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

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# botany + conservation

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## CONSERVATION FOUNDATIONS

How do we know if a species is in danger, and how can we manage for it? What tools can we use to promote native species? Come investigate answers to these critical questions. This course addresses conservation planning and priorities, species diversity and abundance, habitat degradation, species management, and key players in the field. We explore these concepts through discussion, case studies, readings, videos, and activities.

**Sundays, February 24, March 3, 10, 2019,  
12-4 p.m.**

Nasami Farm, Whately, MA

**Program Code:** BOT5131

**Instructor:** George LoCascio, naturalist

**Fee:** \$160 (Member)/\$192 (Nonmember)

**Limit:** 16

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

**Cosponsor:** Massachusetts Association of Conservation Commissions

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## CONSERVATION BIOLOGY

This introduction to conservation biology and biodiversity covers the factors that make a species vulnerable to extinction and the strategies and tools that can be used to protect plants and ecosystems. The course explores the interdisciplinary nature of conservation biology through readings, group exercises, and video clips. Participants receive a bibliography of resources for further study. Bring a bag lunch.

**Thursdays, March 14, 21, 28, 2019,  
10 a.m.-3:30 p.m. Snow date: April 4**

Garden in the Woods, Framingham, MA

**Program Code:** BOT5100

**Instructor:** Nancy M. Eyster-Smith

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

**Limit:** 16

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

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## BLOOMING BUTTERCUPS

Through a PowerPoint presentation and a look at herbarium specimens, this class investigates many of the buttercup species, native and non-native, that bloom in spring and early summer. We focus on the characteristics that distinguish each species of this large and sometimes confusing group, and discuss their typical habitats.

**Saturday, March 23, 2019, 10 a.m.-1 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT3019

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

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

**Limit:** 20

**Certificate:** Elective: all certificates

**Cosponsor:** Massachusetts Association of Conservation Commissions



Kidney-leaved crowfoot (*Ranunculus abortivus*)

# botany + conservation

## PLANT ADAPTATIONS TO WILDFIRE

Think a wildfire can't burn in New England? Think again. This class covers fire history in New England and discusses native plant adaptations and responses to fire. After an indoor portion examining plant adaptations through case studies, we move outdoors to the Montague Plains Wildlife Management Area, where we investigate the signs of wildfire in the Pioneer Valley. The class also addresses fire as a process and an ecosystem shaper.

**Sunday, March 31, 2019, 10 a.m.-3 p.m.**

Nasami Farm, Whately, MA, and Montague Plains Wildlife Management Area, Montague, MA

**Program Code:** BOT1103

**Instructor:** George LoCascio, naturalist

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

**Limit:** 16

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

**Cosponsor:** Massachusetts Association of Conservation Commissions

## PLANT-INSECT CO-EVOLUTION

How do plants defend themselves from insects, and how effective are these defenses? Come learn about insect life cycles, orders, and distinguishing features that insects have adapted through co-evolution with plants. This class includes discussion of the native plant-native pollinator relationship as well as an outdoor study to examine signs of insects on the landscape.

**Wednesday, April 3, 2019, 6:30-9 p.m.**

Nasami Farm, Whately, MA

**Program Code:** BOT1508

**Instructor:** George LoCascio, naturalist

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

**Limit:** 16

**Certificate:** Elective: all certificates

**Cosponsor:** Massachusetts Association of Conservation Commissions

## NEW ENGLAND PLANT DIVERSITY

Keeping up with changes in plant names can be challenging, but these changes reflect 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. Students should begin with Session 1, but 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, author of *Flora Novae Angliae*

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

**Limit:** 20

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

## SESSION 4

Come investigate advanced tricolpate families, often referred to as euasterids (e.g., Lamiaceae, Plantaginaceae, Campanulaceae, Asteraceae).

**Sunday, April 14, 2019, 1-4 p.m.**

**Program Code:** BOT2240

## SESSION 5

Gain insight into the breadth and complexity of plant identification. We will discuss hybridization and phylogeny to provide a deeper appreciation for the role of evolutionary history in understanding organismal relationships.

**Sunday, July 14, 2019, 1-4 p.m.**

**Program Code:** BOT2246

# botany + conservation

## ECOLOGICAL POLLINATOR CONSERVATION

Join Dr. Robert Gegear, 2018 recipient of the Society's Regional Impact Award, to learn the skills needed to properly assess, conserve, and restore native pollination systems and the biodiversity they support. This class provides foundational knowledge for the Citizen Science workshop and can be taken alone or in tandem with the workshop.

**Sunday, April 28, 2019, 1-4 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT1509

**Instructor:** Robert Gegear, PhD, professor and founder of the Beecology Project

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

**Limit:** 30

**Certificate:** Elective: all certificates



## WILDFLOWERS OF NEW ENGLAND

New to the world of native plants? There's no better way to observe the progression of spring-blooming natives than at the Society's properties. In this class, we learn about New England's native plants through key identification features of flowers, growth patterns, and family characteristics. We'll also learn about pollinators and their ecological habitats. Bring a hand lens and *Wildflowers of New England*.

**Fee:** \$184 (Member)/\$218 (Nonmember)

**Limit:** 16

**Certificate:** Core: FB/HD

**Thursdays, May 2, 9, 2019, 1-5 p.m., and  
Saturday, May 18, 2019, 10 a.m.-2 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT3000

**Instructor:** Neela de Zoysa, botanist

**Thursdays, June 6, 13, 20, 27, 2019, 6:30-9 p.m.**

Nasami Farm, Whately, MA

**Program Code:** BOT8309

**Instructor:** Lori Benoit, PhD, wetland scientist and environmental consultant

**Cosponsor:** Massachusetts Association of Conservation Commissions



Blood-root (*Sanguinaria canadensis*)

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## BOTANICAL INVENTORY METHODS

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

**Wednesday, May 8, 6:30-8:30 p.m. and Saturday, May 11, 2019, 10 a.m.-2 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:** \$92 (Member)/\$109 (Nonmember)

**Limit:** 16

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

**Cosponsor:** Massachusetts Association of Conservation Commissions

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## THE ART OF CONSERVATION: WATERCOLOR

Develop deep botanical knowledge through art. Learn to observe plants and grow an understanding of basic watercolor techniques. This course will address opaque and transparent washes, value, and color intensity through exercises en plein air.

**Wednesdays, May 22, 29, June 5, 12, 19, 26, 2019, 10 a.m.-12:30 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** ART6001

**Instructor:** Cecilia Sharma, artist

**Fee:** \$198 (Member)/\$240 (Nonmember)

**Limit:** 16



rose pogonia (*Pogonia ophioglossoides*)

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## ORCHIDS OF NEW ENGLAND

Curious about Lady's-slipper orchids or the rose pogonia, made famous by Robert Frost's poem? New England has 50 species of orchids. Some are common; many are of conservation concern. Learn about the members of this highly evolved plant family, their specialized pollination strategies, and their interesting life cycles. Bring a bag lunch and a hand lens.

**Thursday, May 23, 2019, 10 a.m.-2 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT3036

**Instructor:** Neela de Zoysa, botanist

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

**Limit:** 16

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



Pitch pine (*Pinus rigida*)

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## “BLOWIN’ IN THE WIND”: WIND-POLLINATED PLANTS

Think that insects are the only pollinators? Think again! About 10 percent of New England’s native plants are pollinated by wind, including trees, grasses and sedges as well as many shrubs and herbaceous plants. Learn how wind-pollinated flowers differ from insect-pollinated flowers and how to identify these species. Bring a hand lens.

**Friday, May 31, 2019, 10 a.m.-1 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT1507

**Instructor:** Neela de Zoysa, botanist

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

**Limit:** 16

**Certificate:** Elective: all certificates

**Cosponsor:** Massachusetts Association of Conservation Commissions

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## CITIZEN SCIENCE WITH THE BEECOLOGY PROJECT

Join Dr. Robert Gegear, 2018 recipient of the Society’s Regional Impact Award, for a hands-on workshop on pollinators. Learn to identify local bumblebee species and then use the Beecology Project phone app to collect and contribute bumblebee data from field observation. This class can be taken alone or in tandem with the Ecological Pollinator Conservation class.

**Instructor:** Robert Gegear, PhD, professor and founder of the Beecology Project

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

**Limit:** 16

**Certificate:** Elective: all certificates

**Sunday, June 2, 2019, 10 a.m.-3 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT1510

**Sunday, June 23, 2019, 10 a.m.-3 p.m.**

Nasami Farm, Whately, MA

**Program Code:** BOT1511



# botany + conservation

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## NATIVE NEW ENGLAND SHRUBS

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

**Wednesdays, June 5, 12, 19, 2019, 6:30-8:45 p.m., and Saturdays, June 8, 15, 2019, 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:** \$248 (Member)/\$292 (Nonmember)

**Limit:** 16

**Certificate:** Core: FB/HD

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## DENDROLOGY 101

Join us for in-depth exploration of the structure and morphology of trees, with a strong emphasis on field identification. Learn about wood formation, growth and development, pollination syndromes, and regeneration mechanisms of our native and naturalized tree species.

**Saturday, June 8 and Sunday, June 9, 2019 from 10 a.m.-5 p.m.**

Nasami Farm, Whately, MA, and field sites

**Program Code:** BOT3218

**Instructor:** Yoni Glogower, Urban Forester, MA DCR

**Fee:** \$184 (Member)/\$224 (Nonmember)

**Limit:** 16

**Certificate:** Elective: all certificates

**Cosponsor:** Massachusetts Association of Conservation Commissions

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## OBSERVATIONS FROM A MAINE FIELD BOTANIST

Join Society Research Botanist Arthur Haines for an entertaining talk about his experiences tracing and conserving native plants in the wilds of Maine and about his observations of the shifting Maine landscapes over the course of his career.

**Wednesday, June 12, 2019, 7-8 p.m.**

Gilsland Farm Audubon Center, Falmouth, ME

**Program Code:** BOT6012

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

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

**Limit:** 100

**Certificate:** Elective: all certificates

**Cosponsor:** Maine Audubon

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

**Thursday, June 20, 6:30-8:30 p.m.; Saturday, June 22, 29, 10 a.m.-2 p.m.; Thursday, July 11, 2019, 6:30-8:30 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:** \$184 (Member)/\$218 (Nonmember)

**Limit:** 16

**Certificate:** Core: FB/Adv.HD

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Marginal wood fern (*Dryopteris marginalis*)



## INTRODUCTION TO PLANT FAMILIES

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

**Wednesdays, July 10, 17, 24, 2019,  
10 a.m.-2 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT2260

**Instructor:** Neela de Zoysa, botanist

**Fee:** \$184 (Member)/\$218 (Nonmember)

**Limit:** 16

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

## GROWING FERNS FROM SPORES

Join us and learn easy methods for growing ferns from spores for your home. This class covers the morphology, life cycle, and vegetative propagation of ferns. You will also learn spore collection and storage techniques and tips on how to determine when spores are ripe. Before you know it, you'll have your own sporophytes!

**Thursday, July 11, 2019, 10 a.m.-12:30 p.m.**

Nasami Farm, Whately, MA

**Program Code:** HOR3130

**Instructor:** Leslie Duthie, botanist

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

**Limit:** 16

**Certificate:** Elective: all certificates

## GRASSES OF THE NORTHEAST

This comprehensive survey covers more than 40 common and representative genera of grasses. The first day of this two-day workshop includes a talk and discussion, microscopic examination of specimens, and observation of dried plants; the second day is devoted to field studies.

**Friday, July 26, 2019, 10 a.m.-4 p.m.,**

**Saturday, July 27, 2019, 10 a.m.-2 p.m.**

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

**Program Code:** PDW3518

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

**Fee:** \$132 (Member)/\$160 (Nonmember)

**Limit:** 16

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

**Cosponsor:** Massachusetts Association of Conservation Commissions

# botany + conservation

## ADVANCED PLANT INVENTORY TECHNIQUES

This course builds on botanical survey tools and methods to cover the procedures and techniques for conducting a botanical inventory on conservation land. Following an evening session of reviewing research and sampling strategies, we spend a full day in the field inventorying vascular plants on an ecologically diverse site. On the second evening, we review our results, identify plants that were puzzling in the field, and compile a complete list of our findings. This course is designed for students who have taken the Society's Botanical Inventory Methods course.

**Wednesday, August 14, 6:30-8:30 p.m.;**

**Saturday, August 17, 10 a.m.-3 p.m.;**

**Wednesday, August 21, 2019, 6:30-8:30 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:** \$138 (Member)/\$162 (Nonmember)

**Limit:** 16

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

## 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.

**Mondays, September 9, 16, 23, 2019, 1-5 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT2008

**Instructor:** Leslie Duthie, botanist

**Fee:** \$184 (Member)/\$218 (Nonmember)

**Limit:** 16

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

## CONSERVATION THROUGH USE

Humans are increasingly disconnected from wild places due to the overuse of land, and the exclusion of human activity from some conservation areas. Join Seed Bank Coordinator Michael Piantedosi for a talk about ways human interaction with wildlife and wildlands can actually support conservation goals.

**Friday, September 13, 2019, 11 a.m.-2 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT5132

**Instructor:** Michael Piantedosi, NEPCoP/Seed Bank Coordinator, New England Wild Flower Society

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

**Limit:** 16

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

**Cosponsor:** Massachusetts Association of Conservation Commissions

## BASIC WETLAND IDENTIFICATION AND DELINEATION

This two-day course introduces the principal elements of wetland identification, including wetland hydrology, hydric soils, and hydrophytic plants. We 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.

**Friday, September 20 and Saturday,**

**September 21, 2019, 9:30 a.m.-4:30 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** WET2010

**Instructor:** William E. Kuriger, botanist

**Fee:** \$216 (Member)/\$254 (Nonmember)

**Limit:** 16

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



## 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.

### PLAINFIELD SANCTUARY

Join Bud Sechler, staff Ecological Programs Coordinator, for an off-trail adventure into a woodland full of spring ephemerals on the Society's 86-acre sanctuary adjacent to the Connecticut River in New Hampshire. Spot favorites such as bloodroot and red columbine and discover rare plants such as large-flowered bellwort and green-dragon. The field study also addresses common invasives that threaten native plants and approaches for combatting them.

**Habitat:** mixed northern hardwood-hemlock forest, and rich slope

**Known for:** spring ephemerals and rare plants

**Difficulty:** moderate

**Saturday, May 4, 2019, 11:30 a.m.-2 p.m.**

Plainfield, NH

**Program Code:** FDT3017

**Instructor:** Bud Sechler, Ecological Programs Coordinator, New England Wild Flower Society

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

**Limit:** 16

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

**Cosponsor:** New Hampshire Audubon



Large-flowered bellwort (*Uvularia grandiflora*)



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## ANNIE STURGIS SANCTUARY

Join Arthur Haines, staff Research Botanist, for a hike through the Society's 40-acre tract along the Kennebec River in Maine. Descend into the gully to visit a variety of lime-loving plants, including wild ginger (extremely rare in Maine) and an array of woodland wildflowers.

**Habitat:** woodland

**Known for:** wild ginger, bloodroot, trout lily, and purple trillium

**Difficulty:** moderate

**Sunday, May 19, 2019, 10 a.m.-2 p.m.**

Vassalboro, ME

**Program Code:** FDT9001

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

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

**Limit:** 16

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

**Cosponsor:** Maine Audubon

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## ESHQUA BOG

Join Bud Sechler, staff Ecological Programs Coordinator, for a boardwalk stroll through the Society's 40-acre fen in Vermont to view our renowned showcase of showy lady's-slippers and yellow lady's-slippers. Experience the orchids at their peak and learn about efforts to protect their wetland habitat from encroaching invasive plants from the forest.

**Habitat:** fen, calcareous red maple-tamarack swamp, and northern hardwood forest

**Known for:** lady's-slippers

**Difficulty:** easy/moderate

**Thursday, June 27, 2019, 11 a.m.-2 p.m.**

Hartland, VT

**Program Code:** FDT5007

**Instructor:** Bud Sechler, Ecological Programs Coordinator, New England Wild Flower Society

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

**Limit:** 16

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

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## HARVEY BUTLER RHODODENDRON SANCTUARY

Join Bud Sechler, staff Ecological Programs Coordinator, for a field study to the Society's five-acre stand of great laurel, the largest and most northern stand known in the region. This walk also explores the multitude of native plant gems on the rest of our 30-acre property in Maine, from yellow blue-bead lily to painted trillium, and from hemlock to northern white cedar. Bud shares the site's secrets to managing for minimal invasive plants.

**Habitat:** northern hardwood/hemlock-northern hardwood and wetland

**Known for:** great laurel and several woody and herbaceous specimens

**Difficulty:** easy/moderate

**Sunday, July 14, 2019, 11:30 a.m.-2 p.m.**

Springvale, ME

**Program Code:** FDT9002

**Instructor:** Bud Sechler, Ecological Programs Coordinator, New England Wild Flower Society

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

**Limit:** 16

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

**Cosponsor:** Wild Seed Project



## HOBBS FERN SANCTUARY

Come explore the Society's 240-acre New Hampshire property, which boasts over 40 varieties of ferns, including several rare species and unusual wood fern hybrids. An enriched slope and ledge area host an abundance of maidenhair fern, bulblet fern, and silvery glade fern as well as hepatica, bloodroot, and spring beauty. Other features include wood fern swamp with multiple species of wintergreen and showy lady's-slipper and acres of boreal spruce/fir forest dotted with beaver ponds and unique wetlands.

**Habitat:** wood fern swamp and boreal spruce/fir forest

**Known for:** maidenhair fern, bulblet fern, silvery glade fern, and showy lady's-slipper

**Difficulty:** easy/moderate

**Sunday, July 21, 2019, 11 a.m.-2 p.m.**

Lyman, NH

**Program Code:** FDT4021

**Instructor:** TBD

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

**Limit:** 16

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

**Cosponsor:** New Hampshire Audubon

## ROBERT P. TRISTRAM COFFIN WILD FLOWER SANCTUARY

This sanctuary is one of six owned by the Society. Hilly woods, a brook, and 1,256 feet of sandy shore and tidal marsh make up the 177-acre area bordering lovely Merrymeet Bay in Maine, which is well-known for its diversity of waterfowl. Hike the woodland trails along 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 able, and be prepared to get wet!

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

**Known for:** freshwater estuary plants

**Difficulty:** easy/moderate

**Saturday, August 24, 2019, 10 a.m.-12:30 p.m.**

Woolwich, ME

**Program Code:** FDT8029

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

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

**Limit:** 16

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

**Cosponsor:** Maine Audubon

## WETLAND SHRUBS

Explore varied wetland habitats, including a pond, a stream, and a bog, for excellent examples of shrubs that grow in and around wetlands. Come learn 15-20 New England shrubs as well as a handful of shrubs that grow in higher and drier habitats. Please bring lunch, a hand lens, and a field guide to shrubs, if you have them.

**Tuesday, May 14, 2019, 10 a.m.-2 p.m.**

Grassy Pond, Acton, MA

**Program Code:** WET3019

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

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

**Limit:** 16

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

**Cosponsor:** Massachusetts Association of Conservation Commissions



Yellow blue-head lily (*Clintonia borealis*)



## ECOLOGY OF MOUNT TOM

Mount Tom is an iconic traprock ridge nestled between Easthampton and Holyoke in Massachusetts. Learn about its distinctive geology, glacial history, and rich plant communities on a hike to the summit.

**Habitat:** upland forest

**Known for:** striking geologic features and rare plant communities

**Difficulty:** moderate/difficult

**Saturday, May 18, 2019, 10 a.m.-2 p.m.**

Easthampton, MA

**Program Code:** FDT2072

**Instructor:** Yoni Glogower, Urban Forester, MA DCR

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

**Limit:** 16

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

**Cosponsor:** Massachusetts Association of Conservation Commissions

## RATTLESNAKE GUTTER

Discover spring ephemerals along the historical road of this important Massachusetts habitat. The little-known nook features impressive calcareous rock cliffs and enchanting wooded areas. Will we find hordes of rattlesnakes? Probably not, but we will find some excellent native plant specimens!

**Habitat:** maple, birch, hemlock, and hardwood transitional forest and calcareous cliffs

**Known for:** spring ephemerals, columbine, and geological features

**Difficulty:** moderate

**Sunday, May 19, 2019, 12-3 p.m.**

Rattlesnake Gutter, Leverett, MA

**Program Code:** FDT2071

**Instructor:** George LoCascio, naturalist

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

**Limit:** 16

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

**Cosponsor:** Massachusetts Association of Conservation Commissions

## HABITAT DIVERSITY: NEW CANAAN

Join us for an exploration of New Canaan Nature Center's expansive property, located on 40 acres of the former Bliss Estate in Connecticut. This class offers you a hands-on opportunity to examine the biological diversity of habitats that vary from meadows to woodlands and from marshes to orchards, and learn how they create and contribute to an overarching ecosystem. Please come prepared to spend most of the time outdoors.

**Habitat:** meadow, woodland, and marsh

**Known for:** habitat diversity

**Difficulty:** easy/moderate

**Saturday, June 29, 2019, 10 a.m.-12 p.m.**

New Canaan Nature Center, New Canaan, CT

**Program Code:** FDT1202

**Instructor:** TBD

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

**Limit:** 16

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

**Cosponsor:** New Canaan Nature Center



Purple pitcherplant (*Sarracenia purpurea*)



## PONEMAH BOG IN SUMMER

Ponemah Bog is the centerpiece of a 75-acre sanctuary in southern New Hampshire. At the center of the property is a three-acre kettle-hole pond encircled by a floating mass of sphagnum moss and easily accessible by a viewing boardwalk. We identify wetland species, including a bog orchid and three or four species of insectivorous plants. Bring lunch and a hand lens if you have one.

**Habitat:** poor fen

**Known for:** bog orchids, including grass pink; insectivorous plants, including pitcher plants, sundews, and bladderworts

**Difficulty:** easy

**Sunday, June 30, 2019, 1-5 p.m.**

Ponemah Bog, Amherst, NH

**Program Code:** FDT1091

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

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

**Limit:** 16

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

**Cosponsor:** New Hampshire Audubon

## BOTANY OF THE NEW HAMPSHIRE COASTLINE

Great Bay National Wildlife Refuge is located along the eastern shore of New Hampshire's Great Bay in the town of Newington. The refuge protects more than 1,000 acres along the seacoast for migratory birds and other wildlife. One of the longest

stretches of undeveloped shoreline along the bay, it consists of mud flats, salt- and freshwater marshes, swamps, ponds, streams, woodlands, and fields. Join Seed Bank Coordinator Michael Piantedosi as we explore this diverse refuge and learn a bit about its dynamic flora.

**Habitat:** salt- and freshwater marshes, swamps, ponds, streams, woodlands, and fields

**Known for:** dynamic range of habitat, coastal refuge, and migratory birds

**Difficulty:** moderate

**Saturday, July 20, 2019, 10 a.m.-1 p.m.**

Great Bay National Wildlife Refuge, Newington, NH

**Program Code:** FDT8045

**Instructor:** Michael Piantedosi, NEPCoP/Seed Bank Coordinator, New England Wild Flower Society

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

**Limit:** 12

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

## PLANTS OF BLACK GUM SWAMP

Come explore a series of ancient Vermont wetlands with rare old-growth black gum trees and learn how to identify historical disturbances in the landscape. Though the group stays on trails, muddy feet are a distinct possibility!

**Habitat:** wetlands

**Known for:** 400-year-old black gum trees, 100-year-old chestnut stumps

**Difficulty:** easy/moderate

**Saturday, July 27, 2019, 1-4 p.m.**

Vernon, VT

**Program Code:** FDT5020

**Instructor:** Yoni Glogower, Urban Forester, MA DCR

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

**Limit:** 16

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





## WILDFLOWERS OF ROCK MEADOW

During the summer, Massachusetts' Rock Meadow's woods, wetlands, and meadows are ablaze with colorful wildflowers. Discover plants that can be used to cure poison ivy, plants that attract monarch butterflies and their caterpillars, and plants that, according to ancient lore, were used to calm unruly oxen. Bring a bag lunch and a hand lens if you have one.

**Habitat:** meadow, wet meadow, and forest

**Known for:** wildflowers

**Difficulty:** easy

**Tuesday, July 30, 2019, 10 a.m.-2 p.m.**

Rock Meadow Conservation Area, Belmont, MA

**Program Code:** FDT1093

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

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

**Limit:** 16

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

**Cosponsor:** Massachusetts Association of Conservation Commissions

## BOTANY IN THE SALT MARSH

Barnstable Great Marsh is an integral part of the ecologically significant 3,800-acre Sandy Neck salt marsh and barrier beach system in Massachusetts. Join Michael Piantedosi to explore this critical coastal ecosystem and learn about its resident flora.

**Habitat:** salt marsh and coastal

**Known for:** 3,800-acre salt marsh ecosystem and Sandy Neck

**Difficulty:** easy/moderate

**Saturday, August 10, 2019, 10 a.m.-1 p.m.**

Barnstable Great Marsh Wildlife Sanctuary, Barnstable, MA

**Program Code:** FDT8041

**Instructor:** Michael Piantedosi, NEPCoP/Seed Bank Coordinator, New England Wild Flower Society

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

**Limit:** 16

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

## HABITAT DIVERSITY: MONTEPELIER

Join us for an exploration of North Branch Nature Center's expansive property, located on 28 acres in Vermont's capital. This class offers you a hands-on opportunity to examine the biological diversity of these varied habitats, from meadows to wetlands to forests, and learn how they create and contribute to an overarching ecosystem. Please come prepared to spend most of the time outdoors.

**Habitat:** meadow, wetland, and forest

**Known for:** habitat diversity

**Difficulty:** easy/moderate

**Sunday, August 11, 2019, 1-4 p.m.**

North Branch Nature Center, Montpelier, VT

**Program Code:** FDT1201

**Instructor:** Aaron Marcus, botanist, Vermont Fish & Wildlife

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

**Limit:** 16

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

**Cosponsor:** North Branch Nature Center



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## UNDERSTANDING AND MANAGING SOILS

This one-day intensive explores the biotic and abiotic components that create native soils and explains how these factors inform local flora. The class takes a closer look at soil structure and soil biology in miniature lab experiments.

**Saturday, March 9, 2019, 10 a.m.-4 p.m.**

Nasami Farm, Whatley, MA

**Program Code:** HOR3904

**Instructor:** Alexis Doshas, Propagator and Facilities Coordinator, Nasami Farm, New England Wild Flower Society

**Fee:** \$92 (Member)/\$109 (Nonmember)

**Limit:** 15

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



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## WINTER PRUNING

Proper pruning of trees and shrubs improves their health and structure while enhancing their appearance in the landscape. Gain hands-on experience and grasp basic pruning principles, including how to make proper cuts, when to prune different species, and how to select and maintain tools.

**Tuesday, March 12, 2019, 1-3 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR1213

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

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

**Limit:** 10

**Certificate:** Elective: HD

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## RIGHT PLANT, RIGHT PLACE: INTRODUCTION TO CHOOSING NATIVE PLANTS

Join a workshop discussion of native plant selection, site assessment, and methods for choosing the right plant for the right place. Native plants offer a higher rate of success, as these plants are well-suited to the Northeastern climate, soil conditions, and environment. They require less maintenance and fertilizer, which gives you more time to enjoy the garden. Native plants also support a healthy ecosystem, including pollinators and birds.

**Thursday, March 21, 2019, 6:30-8:30 p.m.**

Nasami Farm, Whatley, MA

**Program Code:** PDW4001

**Instructor:** Alexis Doshas, Propagator and Facilities Coordinator, Nasami Farm, New England Wild Flower Society

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

**Limit:** 16

**Certificate:** Elective: HD

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## MEADOWS 1-2-3

No one can grow an instant meadow, but this one-day seminar builds participants' understanding of what it takes to create and maintain one. Appropriate for those interested in starting a meadow or improving an existing one. Extensive resource material included. Bring a bag lunch.

**Friday, March 22, 2019, 10 a.m.-4 p.m.**

Nasami Farm, Whately, MA

**Program Code:** HOR8001

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

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

**Limit:** 20

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

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## SUSTAINABLE SITE DESIGN

This seminar explores the fundamentals of integrating buildings within landscapes and reducing maintenance needs through landscape design. Come investigate sustainable design strategies that address the ecological, water, energy, and food systems. Topics include design principles and process, native plant community restoration, and maintenance. Finish with a short design assignment.

**Wednesday, April 3, 2019, 10 a.m.-3:30 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR8019

**Instructor:** Tom Benjamin, RLA

**Fee:** \$73 (Member)/\$88 (Nonmember)

**Limit:** 20

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

**Cosponsor:** Ecological Landscape Alliance

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## SHADE GARDENS: EMBRACING THE DARK SIDE

Creating lush and vibrant gardens in the shade tends to frustrate even the best gardeners. How do we infuse more color, adventure, and intrigue into those spaces? The mood, plants, and conditions act as our guide. This workshop blends site-specific assessment, design strategies, and plant options to help enliven your imagination. Bring your project to participate in a flash design collaboration.

**Friday, April 12, 2019, 9:30 a.m.-12:30 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR1214

**Instructor:** Cheryl Salatino, landscape designer, Dancing Shadows Garden Design, and Massachusetts certified horticulturist

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

**Limit:** 16

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

**Cosponsor:** Ecological Landscape Alliance

White baneberry (*Actaea pachypoda* var. *rubrifolia*)



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## TIPS AND TECHNIQUES FOR HEALTHY SEEDLING STARTS

Healthy plants and gardens begin with healthy seedlings. Come learn some basic yet critical propagation techniques for successful seedling starts. We begin with a brief overview of propagation terminology and science and continue in the greenhouse with hands-on demonstrations and experience. Plan to get your hands dirty and leave with some healthy native seedling starts!

**Saturday, April 13, 2019, 10 a.m.-1 p.m.**

Nasami Farm, Whately, MA

**Program Code:** HOR3132

**Instructor:** Alexis Doshas, Propagator and Facilities Coordinator, Nasami Farm, New England Wild Flower Society

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

**Limit:** 16

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

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## NATIVE HERBACEOUS PLANT MATERIALS: EARLY SEASON

Discover numerous native perennials suitable for New England gardens. This course covers native herbaceous plants that bloom in the 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.

**Mondays, April 22, May 6, 20, June 3, 2019, 1-3:30 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR1000

**Instructor:** Leslie Duthie, botanist

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

**Limit:** 12

**Certificate:** Core: HD

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## WRITING IN THE GARDEN

Writers from Emily Dickinson to Edith Wharton and Eudora Welty have found their gardens to be wellsprings of sensory experience that stimulated their writing. In this two-hour workshop, visit the fields and designed gardens at Nasami Farm and write spontaneously in response to prompts—verbal or visual cues provided by the workshop leader—inspired by the surroundings. No previous writing experience required. Please bring a notebook, pen or pencil, and water. Dress for the weather.

**Friday, May 17, 2019, 1-3 p.m.**

Nasami Farm, Whately, MA

**Program Code:** ART2009

**Instructor:** Jane Roy Brown, landscape historian and Writer-Editor, New England Wild Flower Society

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

**Limit:** 16

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

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## AN ECOLOGICAL APPROACH TO THE NURSERY AND GREENHOUSE

Nursery and greenhouse plant production can maximize ecological processes and practices. This technical yet informal workshop explores how mimicking and building on natural systems can create a sustainable, safe, and successful operation.

**Saturday, June 1, 2019, 12-3:30 p.m.**

Nasami Farm, Whately, MA

**Program Code:** HOR4082

**Instructor:** Alexis Doshas, Propagator and Facilities Coordinator, Nasami Farm, New England Wild Flower Society

**Fee:** \$46 (Member)/\$56 (Nonmember)

**Limit:** 16

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

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## WHY MULCH WHEN YOU CAN PLANT?

Mulch can help control weeds, prevent soil erosion, and maintain soil nutrients. Yet for every advantage that mulch offers, well-chosen plants are even more effective! From groundcovers to larger mat-forming species, there is a plant for every mulch scenario. Join Dan Jaffe, photographer and author of *Native Plants for New England Gardens*, to learn about the many plants that can take the place of mulch on your landscape.

**Thursday, June 6, 2019, 9:30 a.m.-12:30 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR8022

**Instructor:** Dan Jaffe, Propagator and Stock Bed Grower, New England Wild Flower Society, author of *Native Plants for New England Gardens*

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

**Limit:** 16

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

**Cosponsor:** Ecological Landscape Alliance

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## CONTAINER GARDENING

Kick those petunias to the curb and create a container that lasts the entire growing season as a show-stopping statement. Join Anna Fialkoff to learn about all things containers and watch a short container-making demonstration. Then tour the plant sales area with Anna's guidance to pick the most beautiful native plants and perfect combinations for your own container gardens. Compost and potting soil are provided; plants are available for purchase. Please bring your own container with a drainage hole in the bottom.

**Saturday, June 8, 2019, 10:30 a.m.-12:30 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR2952

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

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

**Limit:** 16

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

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## LOW MAINTENANCE DESIGN

Learn how to design unique garden spaces that strengthen your connection to our wonderfully varied New England landscape. Discover important functional and aesthetic qualities of native plants that can provide the building blocks for creating easy-to-care-for, sustainable gardens. Using strategies based on the observation and emulation of naturally existing plant communities, landscape designer Owen Wormser offers key techniques for creating enjoyable, low-maintenance garden spaces. In this interactive format, you are encouraged to bring your ideas, along with photographs, plans, or sketches of your own property.

**Friday, June 28, 2019, 1-4 p.m.**

Nasami Farm, Whately, MA

**Program Code:** HOR4045

**Instructor:** Owen Wormser, principal, Abound Design

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

**Limit:** 16

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

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## LAWN ALTERNATIVES

While many American homeowners cling to the notion of a conventional lawn, the high maintenance requirements and low ecological value should make non-native monocultures the last choice on your list! Join Dan Jaffe, photographer and author of *Native Plants for New England Gardens*, to learn about the various options available to replace your turf, from well-known plants to brand-new introductions.

**Friday, July 12, 2019, 1-3 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR4106

**Instructor:** Dan Jaffe, Propagator and Stock Bed Grower, New England Wild Flower Society, author of *Native Plants for New England Gardens*

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

**Limit:** 16

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

**Cosponsor:** Ecological Landscape Alliance

## ESTABLISHING A MEADOW

Meadows are now one of the more popular native garden types for homeowner landscapes, yet many people remain baffled about how to create one with long-lasting beauty that won't quickly become overrun by weeds. Using the Old Meadow at Garden in the Woods as an example, Anna Fialkoff, staff Horticulturist, discusses the first three years of establishing a meadow including design concepts, plant selection, installation, management, pitfalls, and surprising insights gained along the way.

**Saturday, July 20, 2019, 10:30 a.m.-12:30 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR4307

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

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

**Limit:** 20

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

**Cosponsor:** Ecological Landscape Alliance

## NATIVE HERBACEOUS PLANT MATERIALS: LATE SEASON

Discover numerous native perennials suitable for New England gardens. This course covers 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.

**Mondays, July 22, August 26, 2019, 1-3:30 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR1050

**Instructor:** Leslie Duthie, botanist

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

**Limit:** 12

**Certificate:** Core: HD

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## WHAT TO PROPAGATE AND HOW TO DO IT

While many plants are difficult to propagate, others are extremely easy. Sow 100 seeds of spotted wintergreen and a single seedling may emerge; sow 100 seeds of spotted bee balm and, somehow, up pop 150 seedlings! Join Dan Jaffe, photographer and author of *Native Plants for New England Gardens*, to learn not only how to propagate, but what to propagate to maximize your plantings.

**Thursday, July 25, 2019, 10 a.m.-12 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR1212

**Instructor:** Dan Jaffe, Propagator and Stock Bed Grower, New England Wild Flower Society, author of *Native Plants for New England Gardens*

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

**Limit:** 16

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

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## THINKING BIG: INTRODUCTION TO LANDSCAPE ECOLOGY

Landscape ecology is the science of understanding the interaction of ecological processes on a multitude of scales and spatial patterns, with the aim of improving and supporting these systems for a healthy environment. In this intro class, we explore the principles of landscape ecology, examine case studies, and take a brief field walk to orient ourselves toward thinking BIG!

**Tuesday, July 30, 2019, 6-9 p.m.**

Nasami Farm, Whately, MA

**Program Code:** HOR8025

**Instructor:** Alexis Doshas, Propagator and Facilities Coordinator, Nasami Farm, New England Wild Flower Society

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

**Limit:** 16

**Certificate:** Elective: all certificates

**Cosponsor:** Ecological Landscape Alliance

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## WHAT TO PROPAGATE WORKSHOP: PLANT DIVISION

Get your hands dirty with asexual propagation by division. From tearing plants apart with a shovel to digging them up and delicately severing rhizomes, several forms of divisions are examined as we learn which method is best for each individual plant. Join Dan Jaffe, photographer and author of *Native Plants for New England Gardens*, to learn what to propagate and how to do it. Please note, this is the workshop companion to What to Propagate and How to Do It.

**Thursday, August 1, 2019, 10-11 a.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR3131

**Instructor:** Dan Jaffe, Propagator and Stock Bed Grower, New England Wild Flower Society, author of *Native Plants for New England Gardens*

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

**Limit:** 16

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

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## THE BEST WEEDS

What are weeds? Why do they exist and how can we make use of them? What roles do these plants play in our ecosystems? There is a vast difference between Japanese knotweed and a native violet or goldenrod. Join Dan Jaffe, photographer and author of *Native Plants for New England Gardens*, for a fascinating discussion about which weeds to love and how to avoid the rest.

**Thursday, August 8, 2019, 1-3 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR8023

**Instructor:** Dan Jaffe, Propagator and Stock Bed Grower, New England Wild Flower Society, author of *Native Plants for New England Gardens*

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

**Limit:** 16

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

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# horticulture + design

## SEED SAVING

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

**Sunday, August 18, 2019, 10 a.m.-3 p.m.**

Nasami Farm, Whately, MA

**Program Code:** HOR3205

**Instructor:** Kate Stafford, horticulturist

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

**Limit:** 16

**Certificate:** Elective: all certificates

**Cosponsor:** Ecological Landscape Alliance

## FOR US AND THEM: POLLINATORS AND EDIBLES

While aesthetics have long ruled supreme in gardening, people increasingly select plants with ecosystem value in mind. The popularity of edible and pollinator gardens has skyrocketed, but details are critical for success. Which plants attract which pollinators? Which edibles are resistant to diseases and pests? Join Dan Jaffe, photographer and author of *Native Plants for New England Gardens*, to learn how low-maintenance native plants can feed both people and pollinators.

**Wednesday, August 21, 2019,**

**9:30 a.m.-12:30 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR8024

**Instructor:** Dan Jaffe, Propagator and Stock Bed Grower, New England Wild Flower Society, author of *Native Plants for New England Gardens*

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

**Limit:** 16

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

## 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. We study the proper techniques for transplanting, preparing soil, mulching, watering, and pruning as well as maintaining, winterizing, and preparing the garden for the next growing season.

**Wednesdays, September 11, 18, 25, 2019, 1-3 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR3600

**Instructor:** Horticulture staff, New England Wild Flower Society,

**Fee:** \$92 (Member)/\$109 (Nonmember)

**Limit:** 16

**Certificate:** Core: HD



Flowering raspberry (*Rubus odoratus*)





## LANDSCAPE STUDIES

Nothing beats the experience of seeing beautiful designs with native plants. These expert-led excursions examine native plants and explore techniques to cultivate them for function and beauty.

### WILD EDIBLES AT ACTON ARBORETUM

Join wild plants expert Russ Cohen for a walk through Acton Arboretum, where he highlights over 80 species of edibles! Discover new favorite native edibles, tools for identifying them, and appropriate ways to utilize them in your landscapes.

**Wednesday, May 15, 2019, 1-4 p.m.**

Acton Arboretum, Acton, MA

**Program Code:** HDT4010

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

**Fee:** \$36 (Member)/\$41 (Nonmember)

**Limit:** 16

**Certificate:** Field: all certificates

### RADCLIFFE SUNKEN GARDEN

Join us for a landscape study of the award-winning Sunken Garden at the Harvard Radcliffe Institute for Advanced Study, led by its landscape architects. Stimson Associates carefully balanced preserving the site's historic character with accounting for contemporary needs and values, all while incorporating swaths of shade-loving native plants. This is a unique opportunity to learn about Harvard's largest garden from the people who brought it back to its glory!

**Friday, May 31, 2019, 11 a.m.-12 p.m.**

Cambridge, MA

**Program Code:** HDT9002

**Instructor:** Glen Valentine, principal, Stephen Stimson Associates Landscape Architects

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

**Limit:** 20

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

**Cosponsor:** Boston Society of Landscape Architects

### NEW TAKES ON HISTORIC LANDSCAPES: BLITHEWOLD

Often, gardeners think they must choose between archetypes of the "wild, native plant garden" and the "formal, classic garden," but there are ecologically friendly ways to create an elegant effect. Explore the extensive grounds at Blithewold, a Country Place Era estate with Arts and Crafts influence. The property includes an arboretum, cutting garden, nursery, and meadow. This program demonstrates models of tastefully integrating native plants into historic landscape designs, and teaches participants different ways to replicate the visual sophistication of these gardens using native plants.

**Sunday, June 9, 1:30-3:30 p.m.**

Portsmouth, RI

**Program Code:** HDT5005

**Instructor:** Gail Read, horticulturist, Blithewold

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

**Limit:** 16

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

**Cosponsor:** Blithewold



Radcliffe Sunken Garden



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## UMASS DESIGNS

Join us for a tour of the award-winning UMass Southwest Concourse revitalization project led by its landscape architects. Stimson Associates doubled the percentage of green space on this high visibility five-acre site, placing an emphasis on the region's native plants. Learn about the site's form, scale, influences, and prioritization of pervious surfaces and stormwater gardens. This landscape study also includes the Interdisciplinary Design Building and Crotty Hall.

**Thursday, June 20, 2019, 10 a.m.-1 p.m.**

Amherst, MA

**Program Code:** HDT9001

**Instructor:** Lauren Stimson, principal, Stephen Stimson Associates Landscape Architects

**Fee:** \$36 (Member)/\$41 (Nonmember)

**Limit:** 20

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

**Cosponsor:** Boston Society of Landscape Architects

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## PLANNING FOR POLLINATORS: CASEY FARM

Native pollinators and the local plant biodiversity they promote are critical to food production. Utilizing the community farm space at historic Casey Farm, this interactive workshop guides you in how to choose native plants that encourage native pollinators, thereby building healthier local ecosystems. The class is geared toward edibles plots, but can be applied to ornamental gardens as well.

**Saturday, June 22, 2019, 1-3 p.m.**

Casey Farm, Saunderstown, RI

**Program Code:** HDT8052

**Instructor:** Gary Casabona, state biologist, USDA Natural Resources Conservation Service, Rhode Island

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

**Limit:** 16

**Certificate:** Field: all certificates

**Cosponsor:** Historic New England

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## TRACING LANDSCAPE HISTORY: CAMBRIDGE

What can the presence (or absence) of greenery teach about the layered history of a place? Together we walk and analyze the changing landscape, guided by evidence from significant trees in the neighborhood. The discussion addresses local inhabitants' relationship to native plants over generations. Wear walking shoes and dress for the weather.

**Friday, June 28, 2019, 1-3 p.m.**

Cambridge, MA

**Program Code:** HDT8050

**Instructor:** Courtney Allen, landscape historian and Director of Public Programs, New England Wild Flower Society

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

**Limit:** 12

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



Casey Farm



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## TRACING CONSERVATION HISTORY: BACK BAY

Who and what inspired current practices and perspectives in plant protection? Walk the journey of the conservation movement at the turn of the twentieth century. Learn about historic local efforts and their impact on the national conversation right at the Society's birthplace. Wear walking shoes and dress for the weather.

**Friday, July 12, 2019, 1:30-3 p.m.**

Back Bay, Boston, MA

**Program Code:** BOT5207

**Instructor:** Courtney Allen, landscape historian and Director of Public Programs, New England Wild Flower Society

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

**Limit:** 12

**Certificate:** Field: all certificates

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## MEADOWS TOUR OF SOUTHEASTERN CONNECTICUT

Join us as we visit meadows and fields in search of native flowers in full bloom and warm-season grasses. We begin with two meadows at Connecticut College Arboretum, then explore three additional meadow sites in southeastern Connecticut. The walking tour focuses on the value of meadows, how meadows grow, and how they persist. An extensive resource and plant list is included, as well as opportunities for photography during the session. Expect about two miles of walking on relatively level terrain, but with potentially uneven surfaces. Please wear good walking shoes and good insect protection. Bring a bag lunch.

**Saturday, August 3, 2019, 8:45 a.m.-3 p.m.**

Connecticut College Arboretum, New London, CT, and field sites

**Program Code:** HDT8054

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

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

**Limit:** 20

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

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## HAYWARD 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.

**Saturday, August 10, 2019, 10-11:30 a.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



Hayward Brook Farm, formal garden



## TWIN MAPLES

Explore Douglas Thomas' 400-acre property in the idyllic northwestern corner of Connecticut! The walking tour offers an introduction to the site's highlights, including a woodland garden of native plants, a wildflower meadow designed by Larry Weaner, and a formal garden designed by landscape architect Rodney Robinson and horticulturist Deborah Munson. Learn about ecosystem landscaping and management for this one-of-a-kind property, with the lovely Litchfield Hills in the distance.

**Sunday, July 28, 2019, 10 a.m.-1 p.m.**

Twin Maples Estate, Salisbury, CT

**Program Code:** HDT5002

**Instructor:** Deborah Munson, horticulturist, Twin Maples and Larry Weaner, principal, Larry Weaner Landscape Associates

**Fee:** \$36 (Member)/\$41 (Nonmember)

**Limit:** 16

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

## NEW TAKES ON HISTORIC LANDSCAPES: BARRETT HOUSE

Often, gardeners think they must choose between archetypes of the "wild, native plant garden" and the "formal, classic garden," but there are ecologically friendly ways to create an elegant effect. Explore the Barrett country estate's 70 acres on this interdisciplinary walk and discussion. Delve into historic landscape design and plantings, such as the site's orchards and wildflower fields, and learn different ways to apply the visual sophistication of grand gardens to your own property, using native plants.

**Saturday, August 24, 1:30-3:30 p.m.**

New Ipswich, NH

**Program Code:** HDT5004

**Instructor:** TBD

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

**Limit:** 16

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

**Cosponsor:** Historic New England



Twin Maples

# children + families

All programs are for children with adult companions.

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

Bring the little ones for nature-inspired stories, songs, and crafts! Stories are geared for children ages three to eight. Afterward, children are 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 27, May 11, June 1, 15, 29, July 13, 27, August 10, 24, September 7, 2019, 10:30 a.m.-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



## SCHOOL PROGRAMS

Bring your child's class to experience the magic of Garden in the Woods! The Society offers four distinct, plant-centered programs that meet the state science curriculum standards for pre-K through Grade 4. Teacher-naturalists lead the students on an hour of inquiry-based learning through a variety of habitats to build critical thinking skills. Visit [www.newenglandwild.org](http://www.newenglandwild.org) for more information.

**Seeing Green** - Grades Pre-K and K

**Exploring Plants and their Homes** - Grades 1 and 2

**Plant Survival and Adaptation** - Grade 3

**The Life of a Plant** - Grades 3 and 4

# registration

To register for programs, please visit [www.newenglandwild.org/learn/our-programs](http://www.newenglandwild.org/learn/our-programs). Visa and MasterCard accepted. For questions regarding registration, call 508-877-7630, ext. 3303.

Advance registration is required for all fee-based programs and is accepted on a first-come, first-served basis upon full payment. Early registration is encouraged; programs with insufficient registration may be cancelled five business days before the scheduled start date. If your requested program is filled, please add yourself to the waiting list; if space becomes available, you will be contacted according to your position on the waiting list. 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.

## 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.

# membership

**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

## 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.

# make an impact

New England Wild Flower Society is a leader in conservation and horticulture programming, pioneering models such as the first independent field botany certification program. Public education is key to conserving the region's native plants and to ensuring the health and diversity of our landscapes.

The Society offers hundreds of unique public programs each year, including:

- Adult learning opportunities at Garden in the Woods, Nasami Farm, six native plant sanctuaries, and additional locations throughout New England
- Online learning through courses, webinars, and digital tools
- Regional initiatives such as Pollinate New England
- Continuing education for professionals in relevant fields
- School programs at Garden in the Woods

## Support for educational activities comes from generous friends like you.

Your gift today will help grow awareness and knowledge about the importance of native plants in their habitats and in cultivated landscapes.

## Donate online at: [newenglandwild.org/fundprograms](http://newenglandwild.org/fundprograms)

phone at: 508-877-7630 x3802

mail (please include this page) to: New England Wild Flower Society  
Philanthropy Department  
180 Hemenway Road  
Framingham, MA 01701

*Yes! You can count on me to support native plant education.*

Name: \_\_\_\_\_

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Email/Phone: \_\_\_\_\_

Check enclosed (payable to New England Wild Flower Society)

\$1,000     \$625     \$300     \$100     \$50     Other

Additional:

- My donation is coming from a donor advised fund or family foundation.
- My/My spouse's company will match my gift. Form enclosed.
- My business is interested in sponsoring programs, please contact me.
- I would like to support new initiatives, please contact me.

*This donation will not renew your membership except at the \$1,000 Conservation Circle level.*



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