

## PLANT LIST:

Below is a list of many, but not all, of the plants you will memorize during this course.

### TREES

Ash	Black Cherry	Red Cedar
White Oak	Basswood	Juniper
Bur Oak	Honey Locust	Pine (depending on landscaping species present)
Red Oak	Black Locust	Ailanthus
Black Oak	Sumac	Ginkgo
Silver Maple	Cottonwood	
Sugar Maple	Elm	
Box Elder	Mulberry	

### SHRUBS & VINES

Buckthorn	Honeysuckle	Brambles
Gray Dogwood	Riverbank Grape	Native Roses (R. carolina or R. blanda being most common)
Sandbar Willow	Poison Ivy	
Viburnum (native or invasive)	Virginia Creeper	
	Blackberries/	

### GRASSES

--distinguish between grasses, sedges, and rushes.

### FLOWERS - WEEDS/EXOTICS

Wild Carrot/Queen Anne's Lace	Flower-of-the-Hour	Sheep Sorrel/Curly Dock
Yarrow	Dandelion	Bull Thistle/Nodding Thistle/Canada Thistle
Garlic Mustard	Chicory	Field Bindweed
Shepherd's Purse	Catnip	Black Nightshade
Mullein	Dame's Rocket	Trifolium clovers
Sweet Clover	Common Plantain	

### FLOWERS - NATIVES

Wild Strawberry	Columbine	Milkweeds
Golden Alexander	Trillium	Prairie Clover
Blazing Star	Wild Ginger	White Wild Indigo
Fleabane	Black Eyed Susan	Beardtongues (Penstemon)
Coreopsis	Cinquefoils	Buttercups (Ranunculus)
Vervain (Blue or Hoary)	Avens	Dogbane (Apocynum)
Purple Coneflower	Spiderwort	Solomon's Seal
Angelica	Wood Sorrel	Goldenrods
Mayapple	Wild Bergamot	
Jack in the Pulpit	Purple Coneflower	
Phlox	Lobelia	
Wild Geranium	Bedstraws/Geum	
	Ragwort (Packera)	

For more information, contact:  
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The Calumet Outdoor Series explores the vast and globally rare geology and ecology of the region in a fun and safe environment. It is supported by:



# THE CALUMET NATURALIST SERIES

Become a Calumet Naturalist:  
Learn to Identify More Than  
100 Calumet Plants



This free program will familiarize you with the most common plants in urban, as well as various natural areas. The purpose of the program is to learn to recognize and identify the most common plants in any given setting. You will also cultivate an understanding of the impacts non-native invasive plants have on our landscape. Space is limited, so please RSVP.

# CALUMET NATURALIST CERTIFICATION

## PURPOSE:

*The World of Plants: This course is for beginner and intermediate naturalists who want to learn more about the plants in their neighborhoods and parks. Those who join this course will gain a basic understanding of the world they experience everyday, as well as name those trees, flowers, and weeds we see when out and about. We follow the three "R's" for this course: Repetition, to ensure our memories retain what we've learned, we will limit each session to no more than 15-20 plants; Reinforcement, we want people to remember the plants they learn; and Relaxation, each setting was selected for the relaxing and attractive environment it provides. The goal is to learn and have fun in the process!*

## CERTIFICATION:

*Participants who complete 6 of the 9 modules will receive an Illinois Department of Natural Resources certificate as a certified Calumet Naturalist.*

## HELPFUL RESOURCES:

*The following field guides and materials are inexpensive and helpful resources for learning to identify plants. While not required, each will make your outdoor experience more enjoyable.*

- Peterson Field Guides
- Field Museum Rapid Color Guides <http://idtools.fieldmuseum.org/>
- Newcomb's Wildflower Guide
- Plant Identification Terminology and Illustrated Glossary

## CERTIFICATION:

*Each session has been designed to provide an understanding of 15-20 plants that you are likely to encounter during a casual hike in a given setting. By limiting the number of plants, we will reinforce the plants you learn and grow your plant vocabulary. A brief description of each session has been provided. PLEASE RSVP FOR MEETING LOCATIONS.*

## SESSIONS

**SESSION 1: ECOLOGY AND BOTANY 101**  
**LOCATION: SAND RIDGE NATURE CENTER**  
**DATE: APRIL 6<sup>TH</sup>**  
**TIME: 9:00 AM**  
**LEADER: DUANE AMBROZ, ILLINOIS DEPARTMENT OF NATURAL RESOURCES**

- What is an ecosystem?
- Basic Botany Glossary
- How do plants fit in?
- How can an ecosystem be recognized?
- Ecosystems and the urban landscape
- What are their parts?
- What is critical for the casual observer to know?

*The goal of this session would be to help people read the landscape. For identifying plants it is helpful to know what type of ecosystem you are looking at. This makes it easier for the beginner to key in on a species. It is also a good time to talk about how plants make the energy and the mineral resources of an ecosystem into forms that can be utilized by invertebrates, fungi, and animals. Focus should be on basic anatomy: roots, stem, leaf, and flower. Discuss basics of leaf shape, textures, and margins, as these are often key to identifying a plant when not in flower. For flowers, identify the four basic parts: petal, sepals, pistil, and stamen. Can also talk about the basics of flower morphology, including inflorescence types.*

**SESSION 2: WOODLAND**  
**LOCATION: BAILLY HOMESTEAD**  
**DATE: APRIL 27<sup>TH</sup>**  
**TIME: 9:00 AM**  
**LEADER: STEVE SASS, INDIANA PLANT & WILDFLOWER SOCIETY**

*This session will focus on trees, shrubs, and forbs that would typically be encountered in open woods.*

**SESSION 3: URBAN LANDSCAPE 1: PARKS**  
**LOCATION: JACKSON PARK**  
**DATE: MAY 11<sup>TH</sup>**  
**TIME: 9:00 AM**  
**LEADER: MARLEE BARON, CHICAGO PARK DISTRICT**

*This session will focus on plants that are commonly seen in urban park areas.*

**SESSION 4: WETLANDS**  
**LOCATION: SAND RIDGE NATURE CENTER**  
**DATE: JUNE 8<sup>TH</sup>**  
**TIME: 9:00 AM**  
**LEADER: TBD, FOREST PRESERVE DISTRICT OF COOK COUNTY**

*This session will focus on typical flowers and plants of wetlands.*

**SESSION 5: URBAN PLANTS 3: NEIGHBORHOOD**  
**LOCATION: WILLIAMS POWERS STATE PARK**  
**DATE: JUNE 29<sup>TH</sup>**  
**TIME: 9:00 AM**  
**LEADER: KIM KRIELING, ILLINOIS DEPARTMENT OF NATURAL RESOURCES**

*This session will focus on typical neighborhood plants.*

**SESSION 6: URBAN LANDSCAPE 2: TREES & SHRUBS**  
**LOCATION: TALTREE ARBORETUM**  
**DATE: JULY 13<sup>TH</sup>**  
**TIME: 9:00 AM**  
**LEADER: MADDIE GRIMM, TALTREE ARBORETUM**

*This session will focus on typical urban trees and shrubs.*

**SESSION 7: PRAIRIE PLANTS**  
**LOCATION: MARKHAM PRAIRIE**  
**DATE: AUGUST 10<sup>TH</sup>**  
**TIME: 9:00 AM**  
**LEADER: BECKY COLLINGS, FIELD MUSEUM**

*This session will focus on typical attractive wildflowers and prairie plants.*

**SESSION 8: PLANTS OF BEACHES**  
**LOCATION: INDIANA DUNES MILLER WOODS (END OF LAKE STREET)**  
**DATE: SEPTEMBER 7<sup>TH</sup>**  
**TIME: 9:00 AM**  
**LEADER: SCOTT NAMESTNIK, INDIANA PLANT & WILDFLOWER SOCIETY**

*Learn about the plants that make up our beaches and dunes. This exciting hike will outline how ecological plant succession works.*

**SESSION 9: DICHOTOMOUS KEY**  
**LOCATION: CRESSMOOR PRAIRIE NATURE PRESERVE HOBART, IN**  
**DATE: SEPTEMBER 14<sup>TH</sup>**  
**TIME: 9:00 AM**  
**LEADER: BECKY COLLINGS, FIELD MUSEUM**

*Did you ever wonder what botanists mean when they say "Key it out?" Have you ever wanted to know how to identify a plant on your own? This class will provide a helpful introduction for identifying any plant using a field guide key.*