

Spring 2014 Master Naturalist Classes



Master Naturalist



St. Louis
Community
College

Continuing Education

3221 McKelvey Road, Suite 250
Bridgeton, MO 63044
314-984-7777

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St. Louis
Community
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The St. Louis Community College Office of Continuing Education offers students the opportunity to earn a *Master Naturalist* Certificate. This course of study includes both credit and non-credit classes. A non-credit *Master Naturalist* Certificate will be awarded to individuals completing all components of the program.

The following classes may be taken for your own personal enrichment or applied towards a *Master Naturalist* certificate.

Contact Continuing Education at 314-984-7777 for certificate requirements.

Nature/Master Naturalist

New Ecosystems of the World

The natural world contains spectacular flora and fauna, packaged in unique regions called ecosystems. Spend an evening dedicated to studying the ecosystems of the world, from blooming prairies to the frozen tundra. What factors determine the type of ecosystem in a given area? Do ecosystems change and what threats do they face? Human populations threaten ecosystems through deforestation, poor agricultural practices, resource extraction, and climate change. What can you do to protect the ecosystems of the world?

NATR:765 | \$19

650 Tu 7pm-9pm
Feb. 25

Julie Allman
MC - BA, 208

Geology of Missouri

Spend a few hours learning about the geology and geography of Missouri in an informal atmosphere. We will discuss how our state has been shaped by glaciations, earthquakes, uplift and warm, shallow seas. Learn about the processes that gave us the nickname "The Cave State". We will also take a look at the economic impact rocks and minerals have had on our state's economy.

NATR:765 | \$25

680 Sa 9am-12pm
April 5

Jeffrey Smith
MC - SW, 106

Caves and Caverns

Learn about the mysterious underground world of caves. Discover interesting insights into their origin, cave life, mineral formations and other geological features, and cave ecology. Historical notes, such as cave discoveries, cave art, mining and other uses of caves, as well as health/safety/legal issues and man's effects on caves will also be included. Instructor has 12 years of experience leading cave tours and has personally visited over 40 caves throughout the US.

NATR:701 | \$29

650 Tu 7pm-9pm
March 18 - March 25

Martin Ferris
MC - CN, 230

Feeder Watch Program: Great Backyard Bird Count Identification

This class is a citizens' science course joining in cooperation with fellow bird enthusiasts across the country to help track the migration of birds across North America. This course includes bird identification, computer input and preparations for the February event run by Cornell University, and The Backyard Bird Count. Great for classroom teachers! Children ages 11-15 may register when accompanied by a registered adult. Offered in cooperation with the St. Louis Audubon Society.

NATR:709 | \$19

650 Tu 7pm-9pm
Feb. 6

Marty Smigell
MC - BA, 124

New Raptors: A Look at Hawks and Eagles

Come soar with the eagles and hawks; masters of the sky and the ultimate raptors. Learn about anatomy, behaviors and adaptations. Concentration will be on the bald eagle, master fisherman and red tail hawk. Offered in cooperation with St. Louis Audubon Society.

NATR:709 | \$19

651 Tu 7pm-9pm
Feb. 18

Marty Smigell
MC - BA, 118

Warblers

Learn about the colorful spring migrant birds known as the warblers. Which are year-round residents in our area? Which breed in our area? Which just are passing through in the spring and fall? Offered in cooperation with the St. Louis Audubon Society.

NATR:709 | \$25

652 Tu 7pm-9pm
March 25

Marty Smigell
MC - BA, 118

New On the Brink Again? Recovering Two Endangered Wolves

Recovering a species from fourteen individual animals, or even seven, has been a challenging process. Both the red wolf (who was native to Missouri) and the Mexican gray wolf have come back from the brink of extinction by the passion and efforts of several facilities. This class will focus on the Endangered Wolf Center's key role in their recovery and the current status of each species in the wild now. Instructor and Educational Assistant Karen Nichols, has personal experience with the recovery of one of these species. A tour of the animals will be included. Children ages 12-15 may register when accompanied by a registered adult. Meet at the main gate at 8:45 am. Call EWC at 636-938-5900 and ask for Karen to get directions and location details. Offered in cooperation with the Endangered Wolf Center.

NATR:710 | \$25

M01 Sa 9am-12pm
March 22

Karen Nichols
Endangered Wolf Center

Pollinators and the Plants They Use

Join Allen Casey of the Natural Resources Conservation Service and explore the role of pollinators and the important service they provide to humans by moving pollen between plants. This transfer of pollen allows plants to develop fruits and seeds, many of which are vitally important to human existence. Recent declines in native pollinating insect populations have sparked more people to grow plants to provide food and habitat for these fascinating animals. Native plants are especially good sources of food to pollinating animals. Presentation will discuss important considerations to provide flowers and plants that pollinators need and make the landscape, from small urban backyards to large natural areas, around us better for these animals. Ideas for planning pollinator habitat that include consideration of plant diversity, flowering dates of species, native vs. non-native plants, perennial vs. annual plants, will be discussed. Offered in cooperation with the North American Butterfly Association.

NATR:715 | \$19

650 Tu 7pm-9pm
Feb. 25

Allen Casey
MC - CN, 126

The *Master Naturalist* program is offered in collaboration with:

- St. Louis Community College
 - Office of Continuing Education
 - Biology Department
 - Horticulture Department
- St. Louis Audubon Society
- Missouri Native Plant Society
- North American Butterfly Association
- St. Louis Astronomical Society
- Missouri Mycological Society
- Endangered Wolf Center
- Forest ReLeaf of Missouri
- Additional partners are continually added

Beekeeping

Missouri is home to more than 400 species of the 4,000 different types of bees that live in North America. Bees play an important role in agriculture as pollinators of flowering plants that provide food, fiber, spices, medicines and animal forage. Beekeeping can be a hobby, a secondary business, or a full time vocation. It is a relatively inexpensive hobby that provides a sweet bonus each year. Is beekeeping right for you? Come learn the basics to discover information on the pollinators in Missouri, making native bee houses and how to get started including products of the hive and beekeeping requirements.

NATR:715 | \$19

680 Sa 9:30am-11:30am
Feb. 1

Yvonne Von Der Ahe
MC - SO, 107

Spring Butterflies

Enjoy the beauty of butterflies both indoors and outdoors. In the classroom session, you will learn basic identification skills through a Power Point and video presentation. On the field trip, you will experience the magic of butterflies in their natural habitat while spring wildflowers are in full bloom. Field trip date Saturday 4/26. Location: TBA. Provide own transportation. Although not required, binoculars and the field guide "Butterflies through Binoculars: The East" by Jeffrey Glassberg would be useful tools for the field trip walk. Offered in cooperation with the North American Butterfly Association.

NATR:720 | \$29

650 Tu 6pm-8pm
April 22
Sa 10am-12:30pm
April 26

Yvonne Homeyer
MC - CN, 230
MC - Off Campus

Common Poisonous Mushrooms of Missouri

Learn how to identify the most common poisonous mushrooms in Missouri. When you know what to avoid, it's a lot easier to figure out what you can eat! Class is a combination of lecture and field exploration, dress accordingly. Class held at Babler State Park Visitors Center. Provide own transportation. Bring sack lunch. Offered in cooperation with the Missouri Mycological Society (MOMS).

NATR:723 | \$25

M01 Sa 10am-2pm
March 29

Maxine Stone
Babler State Park

Forest Ecology of Missouri

Have you ever wanted to learn more about the ecology of Missouri's forests? Mike Walsh, Forestry Programs Manager with Forest ReLeaf of Missouri will present a general introduction to forest ecology, and how it relates it to our own Missouri forests. Topics will include elements of a forest ecosystem, competition, succession, forest layers (structure), forest types in Missouri, disturbance, nutrient cycling, and more. Class is offered in cooperation with Forest ReLeaf of Missouri.

NATR:723 | \$19

651 Th 6pm-8pm
May 1

Mike Walsh
MC - SO, 205

Native Tree Identification

Learn about Missouri tree identification with Mike Walsh, Forestry Programs Manager with Forest ReLeaf of MO, using characteristics and samples such as twigs, leaves, bark, fruit and more. First class is a lecture format on the Wildwood campus 5/8 followed by a weekend field trip 5/10 at Rockwood Reservations (one mile from campus) 2751 Glencoe Rd, Wildwood. Wear comfortable shoes and dress for walking outdoors. Resource booklets provided. Provide own transportation. Class is offered in cooperation with Forest ReLeaf of Missouri.

NATR:723 | \$29

350 Th 6pm-8pm
May 8
Sa 10am-12pm
May 10

Mike Walsh
WW, 220
WW-Off Campus

Agronomy and Trees: The Science of Soils

Ever wonder what it takes to grow a tree? Well it takes a lot, but have you ever considered how important soils are for your trees? Much of our urban soils where many our trees get planted are very different from the soils in their native environments. Join us for an introduction to Missouri soils and how it relates to our trees! Learn about soil forming factors, soil texture, soil structure, soil pH, important Missouri soil types, and more. Offered in cooperation with Forest ReLeaf of Missouri.

NATR:723 | \$19

652 Tu 6pm-8pm
May 13

Mike Walsh
MC - SO, 109

Overview of Oaks: Local and Abroad

Are you interested in learning more about the native oak trees that live among us and others from around the world? Join Mike Walsh, Forestry Programs Manager at Forest ReLeaf of Missouri and explore the many varieties native oaks and other interesting oak trees and facts including oak history, differences in red and white oaks, commercial, ecological, urban and wildlife benefits, and much more. You will also learn how Forest ReLeaf grows all kinds of oaks and how you can too! Offered in cooperation with Forest ReLeaf of Missouri.

NATR:723 | \$19

653 Th 6pm-8pm
May 15

Mike Walsh
MC - SO, 109

Thunderstorms, Tornadoes, and Floods: Severe Weather Spotter - Level 1

Are you interested in the weather and basic meteorology - how storms form, how to find a tornado in a storm, what causes hail, and much more? Join Michael Redman, former severe weather trainer and weather program manager for the St. Louis County Police Department, and current managing director of the Traveling Weather Show, as he shares his knowledge. Learn how to identify cloud formations and weather indicators that will make you an asset to the region in an emergency. Learn safety information that can save your life! You'll get your own spotter number to use, if needed; a training certificate; a CD of weather brochures and manuals, and handout material on severe weather. Children ages 14-15 may register if accompanied by a registered adult.

NATR:765 | \$25

580 Sa 9am-12pm
April 12

Michael Redman
FV - SO, 101

Thunderstorms, Tornadoes and Floods: Severe Weather Spotter - Level 2

Improve the basic meteorological and severe weather skills you learned in the Level 1 class by taking the region's only Level 2 (advanced) program. We'll discuss computer resources, convective outlooks, watch and warning messages, cloud definition, radar interpretation, and more. You'll get lots of handouts and certification, too. Pre-requisite: Level 1 class. Children ages 14-15 may register if accompanied by a registered adult.

NATR:765 | \$25

581 Sa 1pm-4pm
April 12

Michael Redman
FV - SO, 101

New Planning and Maintaining Public Native Plant Gardens

This class will give an overview of how to plan, plant and maintain a native plant garden, and its benefits for wildlife. The field trip will visit three nearby public wildflower gardens at Busch Wildlife Area and the Weldon Spring Interpretive Center that are maintained by the instructor. Provide own transportation. Offered in cooperation with the Missouri Native Plant Society.

NATR:723 | \$35

650 Tu 6:30pm-8:30pm
April 29
Sa 9am-12pm
May 3

Jeannie Moe
MC - SO, 108

MC - Off Campus

Gardening

New Soil and Composting : Get the "Dirt" on Successful Gardening

The first step in successful gardening is working from the ground up. Learn the "dirt" on successful gardening as we'll discuss easy to understand information on soil types, practical tips on preparation and the "how to" and benefits of composting for your home garden. A beneficial class for both beginning and experienced homeowners.

HORT:709 | \$19

650 Th 7pm-9pm
March 27

Michelle Ochonicky
MC - CN, 126

New Really Green Thumbs

Improve your "eco-green" garden materials and your 'green thumb' gardening practices and learn how an organic sustainable approach can benefit your home or community garden. Join Master Gardener, Mike Ochonicky, as she teaches you simple ways to incorporate natural techniques to improve your garden soil, plant nutrition, and pest control. Make your garden environmentally friendly; improve your gardening skills, your health and the world in which we all live.

HORT:708 | \$19

650 Tu 7pm-9pm
April 8

Michelle Ochonicky
MC - SW, 106

Create a Beautiful Landscape with Native Plants

Enrich the diversity in your yard by discovering and planting species native to Missouri. You can create a beautiful and interesting landscape with a progression of plants that are perfectly adapted to our unique soil and climate. The natives you'll learn about will reduce mowing and improve biodiversity while fitting nicely into your home landscape. Some natives are ideal for your perennial gardens and problem areas. You'll be delighted at how beautiful the native plants are and enjoy learning some plant folklore.

HORT:711 | \$19

680 Sa 9am-11:30am
April 19

Nancee Kruescheck
MC - SO, 109

Vegetable Gardening

Do you want to "grow your own" this season? Learn tips for planting, maintaining and harvesting your own fresh veggies. Topics for discussion include raised beds, container gardening and more. Bring your questions for our expert.

HORT:701 | \$19

680 Sa 9am-11:30am
March 8

Nancee Kruescheck
MC - SO, 108

Herb Gardening

Now is the time to plan for your summer garden! Are you interested in starting (or expanding) an herb garden but aren't sure where to start? Whether you have a few herbs in your yard or an extensive herb garden, you can learn how to get the most for your effort in this one-night class. Come hear the best advice on how to plant, maintain, and harvest an herb garden. You'll also get tips on using herbs in and around your home as well as the best way to freeze and preserve herbs for future use.

HORT:701 | \$25

350 W 6pm-9pm
March 26

Michelle Ochonicky
WW, 220

650 Tu 6pm-9pm
April 1

Michelle Ochonicky
MC - SW, 106

You Can Grow Shade Perennials: Selection and Care

Start your shade perennial garden with a good understanding of plant selection, care, and maintenance. Discover the most popular varieties of shade perennials and characteristics of each including: size and height; when they bloom; soil requirements and conditions in which they grow best. You'll be able to take what you learn in this class and create a shade perennial garden that is not only beautiful, but easier to maintain throughout the season.

HORT:704 | \$19

680 Sa 9am-11:30am
March 22

Nancee Kruescheck
MC - SO, 109

You Can Grow Sun Perennials: Selection and Care

Start your sun perennial garden with a good understanding of plant selection, care, and maintenance. Discover the most popular varieties of sun perennials and characteristics of each including: size and height; when they bloom; soil requirements and conditions in which they grow best. You'll be able to take what you learn in this class and create a sun perennial garden that is not only beautiful, but easier to maintain throughout the season.

HORT:704 | \$19

681 Sa 9am-11:30am
April 5

Nancee Kruescheck
MC - SO, 109

Gardening Under Trees and Other Tough Spaces

Do you have problems successfully growing plants under the trees in your yard? Are you concerned about possibly damaging the tree roots but would really like to plant some attractive plantings that would thrive there? Come learn about the art and science of gardening under trees and other tough-to-grow spots to add to the beauty of your yard.

HORT:706 | \$19

680 Sa 9am-12pm
April 12

Nancee Kruescheck
MC - SO, 109

Ecology

Backyard Chickens for the Beginner

Have you thought about keeping chickens in your city or suburban backyard? There's a lot to find out about before you get started. Learn about local ordinances and where to find more information for the area where you live. You'll also hear about the benefits of keeping chickens, appropriate housing and feeding, and different ways of keeping your chickens healthy and happy. Instructor has years of personal and professional experience and is an enthusiastic and knowledgeable healthy-chicken farmer.

ECOL:700 | \$39

480 Sa 9am-1pm
March 22

Guy Niere
FP - G Tower, 117

681 Sa 9am-1pm
April 5

Guy Niere
MC - SW, 105

Beyond the Coop: Advanced Topics for Experienced Backyard Chicken-Keepers

This class is for individuals who have been keeping chickens for a while and are looking for more in-depth information on the following topics: diseases, parasites and treatments; chicken anatomy and egg development; incubation and broody hatching; culling and processing; breed characteristics, showing, and judging for standards of perfection, supporting heritage breeds; and changing ordinances. Bring your questions to class! This is an intermediate level class and will not include introductory information covered in previous class: Backyard Chickens for the Beginner.

ECOL:700 | \$29

682 Sa 9am-12pm
April 19

Guy Niere
MC - SO, 111

New It's OK to Eat the Weeds-Wild Edible Plants for Spring

Sometimes it's ok to eat the weeds! Plants and trees not only surround us with their beauty but properly prepared they also offer nutritional value and tasty dishes. Join nature enthusiast Alison Lewis as you learn to identify, harvest, and prepare wild edible plants. There are fruits, nuts, and tubers right in your local parks and maybe even edible blossoms and greens in your own backyard or local meadow. Learn to identify seasonal spring edibles including many common lawn "weeds", flowers, mulberries, cattail shoots, and wild members of the mustard and mint families. First session will include a slide show presentation, hands-on plant sample 'lab', and a discussion period. A weekend field trip will meet at a local state park or conservation area to hike, seek and sample wild edible plants. Field trip will include hiking a couple of miles on uneven surfaces, ducking under bushes and potentially inclement weather. Wear comfortable shoes and appropriate attire. Location of field trip to be announced in class.

ECOL:700 | \$35

652 Tu 6pm-9pm
April 15
Sa 9:30am-12:30pm
April 19

Alison Lewis
MC - CN, 230

MC - Off Campus

New Tap into the Trees: Maple Syrup

Are you interested in learning how maple sap is harvested or in tapping the trees yourself? Collecting your own maple sap and making syrup is simple, fun, and rewarding! The modern process is very similar to that used by the Native Americans who introduced maple syrup to early settlers. Join nature enthusiast, Alison Lewis, to learn about the right time to tap trees, the surprisingly wide variety of trees you can use, plus some of her own unique time- and money-saving methods.

ECOL:700 | \$19

650 Tu 6:30pm-8:30pm
Feb. 11

Alison Lewis
MC - SO, 108

Indoor Composting: Make and Take Home a Bokashi Bucket

Up to 20% of household trash can be composted! In this hands-on session, you will construct and learn to maintain an indoor composting system capable of decomposing food and house plant trimmings for a family of four. In a space-saving bokashi system, effective microorganisms transform all types of kitchen waste into a nutrient-rich soil amendment. All equipment, materials and handouts provided and included in fee. You'll leave class with a working indoor composting system in the form of a bokashi bucket. Class offered in collaboration with the Missouri Botanical Garden Earthways Center.

ECOL:700 | \$49

651 Tu 7pm-8:30pm
April 8

Kat Golden
MC - SS, 206

Climate Change

How can a change of one or two degrees in global average temperatures impact our lives? What is the scientific consensus on climate change? And most importantly, what should we do about it? Join naturalist park ranger Brian Ettling as he provides a brief discussion on the science of climate change and its impact on various national park ecosystems, forests, oceans and the St. Louis area. He will then focus on how to communicate the problem and solutions to climate change with confidence and the best sources of information available. Learn how to educate others on the topic using humor and optimism to inspire them to take action.

ECOL:700 | \$25

680 Sa 9am-12pm
Feb. 22

Brian Ettling
MC - SO, 111

Call 314-984-7777 to register today!

Accommodations Statement

St. Louis Community College is committed to providing access and reasonable accommodations for individuals with disabilities. If you have accommodation needs, please contact the Continuing Education Access office at the Meramec campus at least six weeks prior to the start of class to request accommodations. Event accommodation requests should be made with the event coordinator at least two working days prior to the event. Documentation of disability may be required. Contact Anne Marie Schreiber at 314-984-7704.

Notice of Non-Discrimination

St. Louis Community College is committed to non-discrimination and equal opportunities in its admissions, educational programs, activities and employment regardless of race, color, creed, religion, sex, sexual orientation, national origin, ancestry, age, disability, genetic information or status as a disabled or Vietnam-era veteran and shall take action necessary to ensure non-discrimination. For information contact:
Corporate College
Lesley English-Abram, Manager, Community Services
STLCC Corporate College, 3221 McKelvey Road,
Bridgeton, MO 63044
314-539-5480

Firearms on College Property

Except for licensed police officers, no person shall possess or carry any firearm, visible or concealed, on college property (including college buildings and grounds leased or owned by the college-college athletic fields and parking lots) or in any college van or vehicle or at college-sponsored activities. College employees, students and visitors who hold concealed carry endorsements as allowed by Missouri law may not carry or bring any firearms, visible or concealed, on college property, owned or leased or at any college activities.

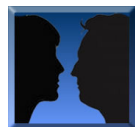
Registration is Easy!!!



Mail

Complete the registration form (below) and mail with check (*payable to St. Louis Community College*) to:
STLCC Continuing Education, 3221 McKelvey Road, Suite 250, Bridgeton, MO 63044

Students who register by mail should assume they are registered unless otherwise notified. A registration confirmation is mailed to students who register by mail; however, the confirmation may not be received prior to the beginning of the class. If you have enrollment questions, please call Continuing Education: 314-984-7777.



In Person at STLCC Continuing Education Offices M-F 8:30 am - 4 pm

Meramec

802 Couch Avenue
St. Louis, MO 63122

Florissant Valley

At the Center for Workforce Innovation
3400 Pershall Rd., Ferguson, MO 63135

Forest Park

Forest Park, G Tower-320-322
5600 Oakland Ave., St. Louis, MO 63110

You may want to first call the Continuing Education office at 314-984-7777, to check that openings exist.



Call to complete your registration by charging fees to MasterCard, Visa, American Express or Discover.

Telephone: 314-984-7777

Before calling to register, have this information ready:

1. Course Title / Course Code (letter prefix with number) / Section Number
2. Student Contact Info (name / address /email/ phone number)
3. Student Social Security Number or UIN
4. Credit Card Number with Expiration Date



Online: www.stlcc.edu

Visit our website and click on the "Continuing Education" link — where you can view current class offerings and to register for classes.

Enrollment in classes within this brochure, except for youth section classes, is limited to persons 16 years or older.

Registration Deadline

All non-credit courses are limited in enrollment. Advanced registration is required.

Automatic Bank Payment (ACH)

All checks will be converted to an electronic Automated Clearing House (ACH) transaction whether the payment was made in person or mailed.

Mail-In

Registration form Please print in ink.

Please register me for the following courses:

Course Code	Section	Course Title	Day/Time	Fees
Total				

☐ Male ☐ Female

Senior Citizen?

☐ Yes ☐ No

Check Payment:

Please make checks payable to
St. Louis Community College, and
mail with form (address above).

Credit Card Payment:

Charge fees to:

- ☐ MasterCard
☐ VISA
☐ Discover
☐ American Express

Email Address: _____

UIN or Student#: _____ Birthdate: _____

Name: _____
LAST FIRST MIDDLE INITIAL

Address: _____
STREET OR POST OFFICE BOX

CITY STATE ZIP CODE

Telephone/Home: _____ Work: _____

CARD NUMBER Expiration Date: _____

Signature: _____