

Fall 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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Education



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 Eclipses, Meteors and Comets

There is much more to the skies than just star gazing. Some of nature's most spectacular astronomical phenomena were at times terrifying to peoples of the past. They include lunar & solar eclipses, meteor showers and bright comets, all of which can be enjoyed with nothing more than the unaided eye. Learn how to enhance those experiences with inexpensive tools such as binoculars and how to do safe solar eclipse observing with appropriate but inexpensive items such as "eclipse glasses." This is your chance to learn how to do all this from an experienced observational astronomer and past president of the St. Louis Astronomical Society.

NATR:701 | \$25

680 Sa 9am-12pm
Sept. 6

Michael Malolepszy
MC - SO, 107

Exploring Fall and Winter Night Skies

Class meets on Mondays and Wednesdays. Learn how to use the unaided eye, binoculars or small to medium sized telescopes to find, identify and observe the astronomical objects & events of late fall and winter of 2014 including the moon, planets, artificial satellites, meteors, comets, stars, constellations and nebula. Bring to class: a Planisphere 35 - 45 degree latitude, such as Phillip's planisphere 6" or larger, and current issue of "Sky & Telescope" magazine. One field trip required. Details to be announced in class. Provide own transportation.

NATR:701 | \$59

651 M 7pm-9pm
Oct. 27 - Nov. 3
W 7pm-9pm
Oct. 29-Nov. 5

Michael Malolepszy
MC - BA, 120
MC - BA, 120

New Bats of Missouri

Missouri is home to at least 14 different species of bats. Learn about about these different species, where they live, how common they are and methods used to research and monitor them. Taught by Tony Elliott of the Missouri Department of Conservation, you will also explore and discuss the importance of bats to the environment and humans as well as current threats to these fascinating creatures.

NATR:708 | \$25

680 Sa 9am-12pm
Oct. 4

Tony Elliott
MC - SO, 109

Owls of Missouri

Join in this exploration of the diverse variety of owls found in the United States including the 18 species of North America and the eight species native to Missouri. Special focus will be on the four main owls found here in Missouri: the barred owl, the screech owl, the barn owl and the great horned owl. Participants will also dissect owl pellets in order to learn more about the owls' eating habits. Offered in cooperation with St. Louis Audubon Society.

NATR:709 | \$19

651 Tu 7pm-9pm
Sept. 23

Marty Smigell
MC - SW, 108

Something to Crow About

American crows are prevalent across much of the continent distinguished by their large, all-black features and cawing voices. Come explore the world of the exceptional American crow including problem solving and behaviors as they interact with their habitat. Learn about food sources, nesting and other educational facts. Offered in cooperation with St. Louis Audubon Society.

NATR:709 | \$19

652 Tu 7pm-9pm
Oct. 21

Marty Smigell
MC - SO, 204

Introduction to Bird Watching

According to the U.S. Fish & Wildlife Service, more than 45 million Americans identify birding as one of their favorite pastimes. Whether you are an amateur bird enthusiast, or are interested in learning more about bird identification, migratory patterns, and wildlife in your own backyard, this class is for you! Join educators from the St. Louis Audubon Society to discover how to identify bird species by sight, song, physical attributes, and behaviors. You'll also learn how to research your findings in guidebooks and how to attract more birds to your backyard through feeding and landscaping. Field trip on Saturday will allow you to practice your new skills and learn about the best places to view a variety of birds in the St. Louis area. Field trip details to be discussed in class. Provide own transportation. Class is offered in partnership with the St. Louis Audubon Society.

NATR:709 | \$29

650 Tu 7pm-9pm
Sept. 16
Sa Sept. 20

Marty Smigell
MC - SO, 204
MC-Off Campus

Caves & 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. Class includes field trip to a cave which is optional for participants. Provide own transportation and possible \$15 cave entrance fee. Appropriate attire and location for field trip will be discussed in class.

NATR:701 | \$39

650 Th 7pm-9pm
Sept. 4 - Sept. 11
Sa Sept. 13

Martin Ferris
MC - SO, 109
MC-Off Campus

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

The Impact of Wolves in the Ecosystem

Naturalist John Muir once said, "When one tugs at a single thing in nature, he finds it attached to THE REST OF THE WORLD." Learn how "tugging" at the wolf has affected ecosystems and how the role of the wolf keeps nature in balance. We will explore how the absence and then return of the wolf has impacted Yellowstone and learn how the Endangered Wolf Center (EWC) is saving endangered canids so they can return to their important role in nature. Meet at the main gate at 6:15. Call EWC at 636-938-5900 and ask for Karen to get directions and location details. Children ages 12-15 may register when accompanied by a registered adult. Offered in cooperation with the Endangered Wolf Center.

NATR:710 | \$25

M01 Tu 6:30pm-9pm
Sept. 9

Karen Nichols
Endangered Wolf Center

Introduction to Beekeeping

Missouri is home to more than 400 bee species, including 10 bumblebee species, of the 4,000 native species of bees that live in North America. Honey bees are an exotic species first introduced into the New World in 1622. 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 and learn how to attract native pollinators and honey bees by planting a pollinator-friendly garden and constructing nesting habitat for native pollinators. We will also present introductory information on getting started with beekeeping and honey bee products of the hive.

NATR:715 | \$25

680 Sa 9am-12pm
Dec. 6

Yvonne Von Der Ahe
MC - SO, 108



Snakes of Missouri

Snakes are one of the most widely misunderstood animals in nature. Learn to identify common Missouri venomous and nonvenomous snakes and dispel those popular myths you might have heard. Join Jamie Hubert, Interpretive Resource Coordinator at St. Francois State Park and Janet Price, Interpretive Resource Specialist at Johnson's Shut-Ins State Park as they discuss "tips and tricks" to help you distinguish differences between the species and help you gain accurate knowledge of local serpents.

NATR:721 | \$19

650 Th 6:30pm-8:30pm
Sept. 4

Jamie Hubert, Janet Price
MC - SO, 107

Edible Mushrooms of Missouri

Discover ten of the most common edible mushroom of Missouri. Students will participate in classroom learning, field exploration and mushroom identification. Dress for walking in the woods. Bring sack lunch. Class held at Babler State Park Visitors Center. Offered in cooperation with the Missouri Mycological Society (MOMS).

NATR:723 | \$25

M01 Sa 10am-2pm
Sept. 27

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

350 Th 6pm-8pm
Sept. 25

Mike Walsh
WW, 222

New Severe Weather Phenomena

Are you interested in severe weather formation? Join meteorologist Joe Schneider as he discusses the structure of the earth's atmosphere and forces that govern its motion. Learn to apply these concepts to understand the aspects of severe weather, including snow storms, ice storms, thunderstorms, and tornadoes. Discover different weather indicators that can keep you safe in case of a weather emergency.

NATR:765 | \$25

652 Tu 6pm-9pm
Oct. 7

Joseph Schneider
MC - SO, 107

The Legume Family for Field Botanists

Legume plants come in many different varieties, such as peas, beans, lentils and peanuts. The plants provide not only food for the table, but food for the soil. Instead of depleting the soil of nutrients, legume plants enrich the soil via root nodules. Come explore, in-depth, the identification and diversity of the legume family, Fabaceae, taught by two Missouri Botanical Garden's experts. Both classroom and field instruction will be included. A text book is required: Yatskievych, George. Steyermark's Flora of Missouri, Vol. 3. Field trip on 9/27 will be held at Shaw Nature Reserve. Provide own transportation. Offered in partnership with the Missouri Native Plant Society.

NATR:723 | \$49

650 Th 6:30pm-8:30pm

George Yatskievych
Richard Abbott
MC - SW, 108

Sept. 11 - Sept. 25
Sa 9am-12pm
Sept. 27

MC-Off Campus



Explore the Fascinating Life History of Fresh Water Mussels

Have you ever gone on a float trip and seen shells on gravel bars and wondered what they were? This is a fascinating group of organisms that most people know very little about because they sit quietly (or at least we think they are quiet) at the bottom of our rivers and streams. Join biologist, Dr. Thomas Keevin, to learn how fascinating they really are and to discover the strange life history of this endangered group of freshwater invertebrates. You'll discuss and watch videos of how fish have become part of their amazing and strange reproduction cycle. You will also have the hands on opportunity to view and learn how to identify the common species in the St. Louis area.

NATR:765 | \$19

651 Tu 6pm-8pm
Sept. 30

Dr. Thomas Keevin
MC - SO, 107

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, and 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
Oct. 11

Jeffrey Smith
MC - SW, 106

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 | \$25

650 Th 6pm-9pm
Sept. 18

Julie Allman
MC - BA, 114

Gardening

Herb Gardening, Use and Preservation

Whether you have a few herbs in your yard or an extensive herb garden, learn how get the most for your effort in this one-night class. From starting to expanding an herb garden, you'll learn about soil conditions, fertilizing, and the optimal placement for growth. Come hear the best advice from Master Gardener "Mike" 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. Bring a notebook and pen to class.

HORT:701 | \$25

650 W 6pm-9pm
Sept. 17

Michelle Ochonicky
MC - SO, 206

Fall Gardening for a Bloomin' Beautiful Spring

Have a bloomin' beautiful spring! Join local nursery owner, Nancee Kruscheck, as she discusses how to prepare your flowerbeds and gardens this fall for next spring. Learn the best bulbs and perennials to plant to achieve vibrant spring color and design impact; learn how to properly divide your perennials; and steps to take to prepare your gardens to withstand winter and come back greener and more lush than before. You'll be the envy of the neighborhood!

HORT:707 | \$19

680 Sa 9am-11:30am
Sept. 13

Nancee Kruscheck
MC - SO, 108

Hardy New Hybrids for Your Small Yard and Garden Spaces

Fall is the best time to plant! Come discover some of the many new varieties of plants out on the market cultivated for smaller spaces in your yard. From small shrubs to perennials with more color and smaller sizes, join nursery owner and plant expert Nancee Kruscheck and you'll learn about how hardy these varieties are and where they will work best in your garden.

HORT:708 | \$19

680 Sa 9am-11:30am
Sept. 6

Nancee Kruscheck
MC - SO, 108

Landscape Basics: Plan Now for a Beautiful Spring

Do you need some tips for a great landscape? Get practical advice from nursery owner, Nancee Kruscheck, and learn how to lay out bed lines, edgings, gravel vs. mulch, weed barrier vs. plastic, plants and spacing. Now is the time to devote your efforts to having a better landscape next season!

HORT:711 | \$19

680 Sa 9am-11:30am
Sept. 27

Nancee Kruscheck
MC - SO, 108

Pruning Basics

Proper techniques for pruning trees and shrubs are essential for the health of your plants and future growth. It's not difficult if you know the right techniques and timing. You'll also learn how to avoid spreading disease from tree to tree. Class will include an outdoor demonstration, so bring your pruners. Come learn hands-on from our nursery expert Nancee Kruscheck, who will also show you how to sharpen and clean your pruners and answer your questions.

HORT:723 | \$19

680 Sa 9am-11:30am
Oct. 4

Nancee Kruscheck
MC - SO, 108

Making More Plants: Propagation Made Simple

Make more of your favorite plants in this hands-on class. Learn some simple propagation methods. Watch local nursery owner and plant expert, Nancee Kruscheck, as she demonstrates how to take cuttings, root division, air layering and seeds, then try it yourself.

HORT:708 | \$19

681 Sa 9am-11:30am
Sept. 20

Nancee Kruscheck
MC - SO, 108

Ecology

Indoor Composting: Make and Take Home a Bokashi Bucket

Don't throw away those scraps - up to 20% of household trash can be composted! The bokashi bucket system can be used in the winter months, it's quick, convenient and no household smells. 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

650 Th 7pm-8:30pm
Sept. 11

Kat Golden
MC - SW, 207

Climate Change 101

What is climate change? How are rising temperatures impacting the ecosystems, forests, oceans and even the St. Louis area? What is the biggest concern from scientists? What are the best solutions? Why do Americans disagree so strongly about this issue? Join park ranger Brian Ettling as he shares the basic science, shows the 'unusual suspects' that accept the science, and debunks many of the myths. Learn how to effectively educate others on the topic using humor and optimism to inspire them to take action.

ECOL:700 | \$19

680 Sa 9am-12pm
Nov. 8

Brian Ettling
MC - BA, 112

New Winter Chicken Care

Raising chickens is both a rewarding experience and a good investment of time and energy. But, special treatment is required during the winter months. Join expert chicken keeper Guy Niere as he discusses adjusting coop conditions in order to maintain continued egg laying success. He'll discuss water needs, ventilation, light and heat and providing alternative food sources. You will also prepare a seed tray in a class to begin growing your own foeder (sprouting grains) to improve the nutrition of the grains and provide greens which are in short supply during the winter.

ECOL:700 | \$39

651 Sa 10am-1pm
Oct. 4

Guy Niere
MC - SW, 108



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.



By Phone

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

Telephone: 314-984-7777

Call Center Hours: M-Th 8:30 am - 7:30 pm; Fridays 8:30 am-4 pm

Before calling to register, have this information ready:

1. Course Title / Course Code (letter prefix with number) / Section Number
2. Student Number or UIN
3. Student Contact Info (name / address / phone number /email)
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: _____