This option is designed for students preparing to do graduate work or to seek full-time employment in this field. Employment can be found with national and state conservation and resource management agencies, park services, environmental consulting agencies, zoological parks, botanical gardens, and public health facilities, among others.

Faculty advisors in this area have ongoing research programs and involve students in their research. Students participate in external internships with the Missouri Department of Conservation and other agencies. In addition, students in wildlife and conservation biology have many opportunities to conduct, present, and publish research with biology faculty.

Wildlife and Conservation Biology students will...

- Meet with their advisor each semester to assess their progress towards post-graduation goals.
- Take a core of courses that prepares them in any area of biology.
- Take rigorous coursework in ecology, plant biology, and animal biology, which prepares them for advanced study or employment.
- Select additional option courses in management of wildlife populations, management of wildlife habitat, conservation biology, and wetlands ecology and management.
- Complete 80 hours (for 2 credit hours) of experiential learning, usually in field studies or internships.
- Complete additional coursework in geology and mathematics to qualify them for wildlife certification after they graduate.
- Attend classes in the renovated Magill Hall building furnished with modern equipment.
- Have access to the Miller Reserve Wetlands Restoration project, the Kelso Wildlife Sanctuary, and the Reis Biological Research Station.

Career Planning

Career preparation is part of the mission of Southeast. 100% of programs offer students an internship, study-abroad program, clinical opportunity, student teaching, or research internship.

The Office of Career Services in Academic Hall 057 can provide students with professional career counseling and coaching, resume critiques, practice interviews, job search strategies, career events, networking opportunities, and more.

To learn more Office of Admissions (573) 651-2590 admissions@semo.edu www.semo.edu
To explore the College Advising Center of Science, Technology, and Agriculture online, visit www.semo.edu/costa
For advising College of Science, Technology, and Agriculture Advising Center (573) 651-5930 costaadvising@semo.edu www.semo.edu/costa/advising

Recent Internship and Field Studies Experiences

- Missouri Department of Conservation
- Open Rivers & Wetland Field Station
- Trail of Tears State Park
- Big Oak Tree State Park
- Fults Hill Prairie Nature Reserve
- Whiterock Nature Preserve, Illinois
- Salthick Nature Preserve, Illinois
- World Bird Sanctuary
- Army Corps of Engineers
- Madikwe Game Reserve in South Africa
- Black Hills, South Dakota

Graduate School Matriculation

- Southeast Missouri State University
- University of Missouri-Columbia
- Southern Illinois University - Edwardsville

Employment Opportunities

- Missouri Department of Conservation
- Open Rivers & Wetland Field Station
- Trail of Tears State Park
- National Park Service
- Army Corps of Engineers
- Florida Fish and Wildlife Service

Admission Requirements

A college preparatory sequence that includes three years of science (including biology, chemistry, and physics) and mathematics through advanced algebra is encouraged.

Special Options with Biology

Southeast offers a Master of Natural Science in Biology.
CURRICULUM CHECKLIST

“Critical Courses” are italicized and bolded. Data shows that students who have completed this course in the first two years and have earned the noted grade are most likely to complete this program of study.

Required Courses:
- BI163 Evolution & Ecology (4)
- BI173 Cell & Organismal Biology (4)
- BI283 Genetics (4)
- BI389 Career Development in Biology (1)
- CH185/085/005 General Chemistry (5)

Choose one math course:
- MA134 College Algebra (3)
- MA137 Precalculus (5)
- MA139 Applied Calculus (3)
- MA140 Analytical Geometry & Calculus I (5)

Choose one additional math course:
- MAxxx Additional math (MA133 or higher) (3)

Experiential Learning Requirement: 2 hours
- BI 471-473 Internships in Biology (2)
- BI 551-553 Biology Field Studies (2)
- BI 589-591 Biological Research (2)
- BI 570 Development of Instructional Materials (1)

Wildlife and Conservation Biology Option Required Courses:
- BI332 General Ecology (3)
- BI340 Management of Wildlife Populations (3)
- BI420 Management of Wildlife Habitat (3)
- BI425 Conservation Biology (3)
- BI440 Wetland Ecology and Management (3)
- BI469 Wildlife Toxicology (3)

Biology Electives: choose at least 6 hours not selected above
- Any BI, BO, ZO, BT courses, 300 level and above (6)

Non-Biology Requirements: 3 Hours
- GO110 Physical Geology (3)

University Studies Requirements (not already listed above):
- UI100 First Year Seminar, EN100 English Composition, Artistic Expression, Written Expression, Oral Expression, Literary Expression, Behavioral Systems, Development of a Major Civilization, Economic Systems, Political Systems, Social Systems

SAMPLE FOUR-YEAR PLAN

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Milestone: achieve a target cumulative GPA of 3.0

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Milestone: achieve a target cumulative GPA of 3.0

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Milestone: achieve a target cumulative GPA of 3.0

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Milestone: achieve a target cumulative GPA of 3.0

A “Milestone” signifies a significant stage for a student in the completion of a degree.

Degree requirements for all students: a minimum of 120 credit hours, completion of University Studies program, completion of 39 senior division hours (300-599), career proficiencies (CL001-004), Writing Proficiency Exam (WP003), and completion of the Measure of Academic Proficiency and Progress (MAPP) at the senior level. Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.

A minimum 2.00 GPA in the major and overall are required to graduate with a BS in Biology degree.

Revised: 3/31/2017