



DEPARTMENT OF HIGHER EDUCATION & WORKFORCE DEVELOPMENT

PUBLIC

INDEPENDENT

NEW PROGRAM PROPOSAL FOR ROUTINE REVIEW

Please use this form as a worksheet and submit new program information through the Academic Program Actions Portal
<https://web.dhewd.mo.gov/academicprogramaction/login.faces>

Sponsoring Institution:

Program Title: Wildlife Conservation and Management

Degree/Certificate:

If other, please list:

Options:

Delivery Site: Saint Joseph, MO/Missouri Western Main Campus

CIP Classification: 03.0601

Implementation Date: 8/1/2024

Is this a new off-site location? Yes No

If yes, is the new location within your institution's current CBHE-approved service region?

**If no, public institutions should consult the comprehensive review process*

Is this a collaborative program? Yes No

**If yes, please complete the collaborative programs form on last page.*

Please list similar or comparable programs at Missouri public institutions of higher education.

**For public institutions only*

Missouri State University – Wildlife Conservation and Management, University of Missouri – Natural Resources Science and Management, University of Central Missouri – Wildlife and Natural Resource Conservation, Northwest Missouri State University - Wildlife Ecology and Management, Southeast Missouri State University – Wildlife Conservation Biology

CERTIFICATIONS:

- The program is within the institution's CBHE approved mission. *(public only)*
- The program will be offered within the institution's CBHE approved service region. *(public only)*
- The program builds upon existing programs and faculty expertise
- The program does not unnecessarily duplicate an existing program in the geographically-applicable area.
- The program can be launched with minimal expense and falls within the institution's current operating budget. *(public only)*

AUTHORIZATION

Name/Title of Institutional Officer	Signature	Date

PROGRAM CHARACTERISTICS AND PERFORMANCE GOALS

Although all of the following guidelines may not be applicable to the proposed program, please carefully consider the elements in each area and respond as completely as possible in the format below.

Quantification of performance goals should be included wherever possible.

1. Student Preparation

- Any special admissions procedures or student qualifications required for this program which exceed regular university admissions, standards, e.g., ACT score, completion of core curriculum, portfolio, personal interview, etc. Please note if no special preparation will be required.
None
- Characteristics of a specific population to be served, if applicable.
N/A

2. Faculty Characteristics

- Any special requirements (degree status, training, etc.) for assignment of teaching for this degree/certificate.
None
- Estimated percentage of credit hours that will be assigned to full time faculty. Please use the term "full time faculty" (and not FTE) in your descriptions here.
>90%
- Expectations for professional activities, special student contact, teaching/learning innovation. Faculty members are expected to pursue scholarly activity and service as part of their contract. One faculty member is expected to serve as the sponsor for the Student Chapter of The Wildlife Society.

3. Enrollment Projections

- Student FTE majoring in program by the end of five years.
50
- Percent of full time and part time enrollment by the end of five years.
Greater than 95%

STUDENT ENROLLMENT PROJECTIONS

YEAR	1	2	3	4	5
Full Time	50	50	50	50	50
Part Time	0	0	0	0	0
Total	50	50	50	50	50

4. Student and Program Outcomes

- Number of graduates per annum at three and five years after implementation.
3-year: 15
5-year: 15
- Special skills specific to the program.

N/A

- Proportion of students who will achieve licensing, certification, or registration.
All students who complete the program will meet the coursework requirements for certification as a Wildlife Biologist by the Wildlife Society
- Performance on national and/or local assessments, e.g., percent of students scoring above the 50th percentile on normed tests; percent of students achieving minimal cut-scores on criterion-referenced tests. Include expected results on assessments of general education and on exit assessments in a particular discipline as well as the name of any nationally recognized assessments used.

In 2022 6% of students who completed this program scored greater than the 50th percentile on a biology exit exam

- Placement rates in related fields, in other fields, unemployed.

unknown

- Transfer rates, continuous study.
N/A

5. Program Accreditation

- Institutional plans for accreditation, if applicable, including accrediting agency and timeline. If there are no plans to seek specialized accreditation, please provide rationale.
There are no plans to seek accreditation, as there are no appropriate accreditations that will add value to this program.

6. Program Structure

A. Total credits required for graduation: 120

B. Residency requirements, if any:
none

C. General education: Total credits:
43

Courses (specific courses OR distribution area and credits)

Course Number	Credits	Course Title
MAT 111	3	Introduction to Statistics
Written and Oral Communication	9	
BIO 105	4	Principles of Organismal Biology
CHE 111	5	General Chemistry I
Social and Behavioral Science	9	
Humanities and Fine Arts	9	
BIO 106	4	Principles of Cell Biology

D. Major requirements: Total credits: 65

Course Number	Credits	Course Title
MAT 116	3	College Algebra
BIO 205	4	Genetics
BIO 209	3	Introduction to Wildlife Conservation
BIO 225	4	Ecology
BIO 307	4	Plant Morphology
BIO 349	4	Plants and People: Systematics of Groups of Plants with Economic, Ecological, and Cultural Importance
Choose 2: BIO 318 BIO 385 BIO 418	8	Ornithology Herpetology Mammalogy
BIO 360	3	Development of Federal Wildlife Law
BIO 409	3	Principles of Terrestrial Wildlife Management
BIO 425	2	Biology Internship
BIO 415 or BIO 455	4	Invertebrate Biology Entomology
BIO 440	4	Plant Morphology
BIO 461	3	Renewable Resources Policy and Administration
CHE 120	5	General Chemistry II with Qualitative Analysis
Choose 1: PHY 110, ESC 111, ESC 120, or GEO 160	4	College Physics I Physical Geology Meteorology Physical Geography
Communications Elective Choose 1: COM 205 COM 210 COM 305 COM 311 COM 342 JOU 202 JOU 324 JOU 432	3	Introduction to Mass Media Presentational Communication Interpersonal Communication Crisis and Risk Communication Intercultural Communication Reporting for the Mass Media Web Content and Design Social Media Branding
Elective, Choose 4 Credits BIO 207 BIO 311 BIO 318* BIO 325 BIO 357 BIO 385* BIO 390 BIO 411 BIO 416 BIO 417 BIO 418* BIO 419 BIO 450 GEO 450	3 4 4 4 4 4 4 4 4 4 4 4 4 1 1	Human Ecology Animal Physiology Mammalogy Introduction to Paleontology Ichthyology Herpetology Microbiology Developmental Biology Vertebrate Biology Medical Parasitology Mammalogy Animal Behavior Independent Research Independent Research

BIO 456	4	Aquatic Ecology
GEO 426	4	Geographic Information Systems
*Note: These courses may only be used as electives if they were not taken to satisfy the previous block in which they appear		

E. Free elective credits: 12

(sum of C, D, and E should equal A)

F. Requirements for thesis, internship or other capstone experience:

This program requires the completion of an internship.

G. Any unique features such as interdepartmental cooperation:

N/A

7. Need/Demand

Student demand

Market demand

Societal demand

I hereby certify that the institution has conducted research on the feasibility of the proposal and it is likely the program will be successful.

On July 1, 2011, the Coordinating Board for Higher Education began provisionally approving all new programs with a subsequent review and consideration for full approval after five years.

COLLABORATIVE PROGRAMS

- **Sponsoring Institution One:**
- **Sponsoring Institution Two:**
- **Other Collaborative Institutions:**
- **Length of Agreement:**
- **Which institution(s) will have degree-granting authority?**
- **Which institution(s) will have the authority for faculty hiring, course assignment, evaluation and reappointment decisions?**
- **What agreements exist to ensure that faculty from all participating institutions will be involved in decisions about the curriculum, admissions standards, exit requirements?**
- **Which institution(s) will be responsible for academic and student-support services, e.g., registration, advising, library, academic assistance, financial aid, etc.?**
- **What agreements exist to ensure that the academic calendars of the participating institutions have been aligned as needed?**