WILDLIFE CONSERVATION AND MANAGEMENT (BACHELOR OF SCIENCE, B.S.)

The Wildlife Conservation and Management degree program is committed to providing students with a collaborative learning environment to develop skills and engage in Applied Learning opportunities. Students gain hands-on experience through both lab and field exercises. The Wildlife Conservation program offers applied learning experiences through coursework and internships where students develop skills in areas such as: mapping GPS, wildlife capture and restraint, Wildland fire behavior and ecology, and plant, mammal, bird and herpetological field identification. Internships and independent research opportunities give students the competitive edge for career opportunities and graduate and professional schools. The Wildlife Conservation and Management major provides students with the background needed to start careers in various state, federal and nongovernmental agencies related to conservation and management. The Wildlife Conservation and Management degree program meets the academic requirements for professional certification as a Certified Wildlife Biologist by The Wildlife Society.

Requirements

Students who choose this bachelor degree program will have no more than 6 years from admission or subsequent declaration to meet the requirements listed below. If certification, accreditation or statutory requirements change and additional requirements become effective during this time, the new requirements take precedence.

Code	Title	Credit Hours
General Studies		**42**
Students must complete General Studies courses (https://catalog.missouriwestern.edu/undergraduate/university-information/academic-standards-regulations/baccalaureate-degree/#bachelor-general-studies) [1]		
Major Requirements		**83-84**
BIO 100	First-Year Biology Experience	2
BIO 105	Principles of Organismal Biology	4
BIO 106	Principles of Cell Biology	4
BIO 205	Genetics	4
BIO 209	Introduction to Wildlife Conservation	3
BIO 225	Ecology	4
BIO 307	Plant Morphology	4
Select two of the following: [2]		8
BIO 318	Ornithology	
or BIO 385	Herpetology	
or BIO 418	Mammalogy	
BIO 349	Plant Systematics and Applications	4
BIO 360	Development of Federal Wildlife Law	3
BIO 409	Principles of Terrestrial Wildlife Management	3
BIO 415	Invertebrate Biology	4
or BIO 455	Entomology	
BIO 425	Biology Internship	2
BIO 440	Plant Physiology	4
BIO 461	Renewable Resources Policy and Administration	3
CHE 111	General Chemistry I	5
CHE 120	General Chemistry II with Qualitative Analysis	5
MAT 111	Introductory Statistics	3-4
or MAT 111E	Introductory Statistics	
MAT 116	College Algebra	3
PHY 110	College Physics I	4
or ESC 111	Physical Geology	
or ESC 120	Meteorology	
or GEO 160	Physical Geography	
Select one of the following Communication courses		3
COM 205	Introduction to Mass Media	
COM 210	Presentational Communication	
COM 305	Interpersonal Communication	
COM 342	Intercultural Communication	
ENG 415	Proposal and Grant Writing	
JOU 202	Reporting for the Media	
JOU 324	Web Content and Design	
JOU 432	Social Media Branding	
Select four credit hours from the following:		4
BIO 207	Human Ecology	
BIO 311	Animal Physiology	
BIO 318	Ornithology	
BIO 325	Introduction to Paleontology	
BIO 357	Ichthyology	
BIO 385	Herpetology	
BIO 390	Microbiology	
BIO 411	Developmental Biology	
BIO 416	Vertebrate Biology	
BIO 417	Medical Parasitology	
BIO 418	Mammalogy	
BIO 419	Animal Behavior	
BIO 450	Independent Research/Project	
BIO 456	Aquatic Ecology	
GEO 426	Geographic Information Systems	
GEO 450	Independent Research/Project	
Or other department approved elective		

[1] Courses in general studies may also be required within the major. While the course(s) may satisfy both requirements, the credit hours will count only one time in the overall hours earned.

[2] Courses taken to fulfill this requirement may not be used in the elective area.

Program Graduation Requirements

1. Earn an overall GPA of at least 2.0 and a major GPA of at least 2.0.

University Graduation Requirements

1. Earn a minimum of 120 credit hours (100 level and higher, maximum of 6 continuing education credit hours applicable).

2. Earn a minimum of 30 credit hours in upper-division courses. Lower-division transfer courses accepted as meeting upper-division departmental course requirements cannot be used to fulfill this requirement.
3. Earn 30 of the last 45 credit hours at MWSU in institutional coursework (exclusive of credit by examination).
4. Participate in required departmental and campus wide assessments.
5. Fulfill the Missouri Constitution requirement.
6. Successfully pass the Missouri Higher Education Civics Achievement exam.