

UNIVERSITY OF SOUTHERN INDIANA
BIOLOGY MAJOR
PRE-WILDLIFE BIOLOGY/ECOLOGY/ZOOLOGY EMPHASIS

FRESHMAN

Biology 141	4	Biology 151 or 152	3
Math 111/118 ¹	4/5	Chemistry 261	4
English 101 ¹	3	Math 115	3
UCC elective	3	Comm Stud 101/107	3
Ped elective	1	UCC elective	3
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	15-16		16

SOPHOMORE

Biology 151 or 152	3	Biology 215	3
Chemistry 262	4	Biology elective ²	3/4
Math 241/230*	3/4	Chemistry 241/353	4
Eng 201	3	UCC electives	6
Ped elective	1		
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	14-15		16-17

JUNIOR

Biology 334	3	Biology 382	4
Chemistry 321/354	3/4	Biology 333	4
Physics 175/205	4/5	Physics 176/206	4/5
UCC elective	3	UCC elective	3
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	13-15		15-16

SENIOR

Biology 481	3	Biology electives ²	3-6
Biology electives ²	3-8	UCC electives	3-6
UCC electives	6	Free elective	3-6
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	12-17		9-18

¹ Initial math and English courses determined by placement exam and SAT/ACT scores.

² For students considering graduate programs, courses involving independent research (Biology 492) and professional presentation (Biology 225) are strongly recommended.

*Either satisfies the biology major; both are recommended

Careers in the areas of ecology, zoology, and wildlife biology include positions in government (state and federal), academia (research and/or teaching), and business (environmental assessment, engineering, zoological parks and aquaria). Most positions above the level of technician require an advanced degree (M.S. or Ph.D.). The curriculum on the other side of this page is designed to prepare the student for graduate school; specific biology and chemistry electives, chosen in consultation with an advisor, can shape your undergraduate curriculum in a particular direction (field biology, zoology, etc.). Many graduate programs in zoology now require biochemistry (Chemistry 431).

Acceptance into a good graduate program requires a strong undergraduate GPA, above-average scores on the Graduate Record Exam, and good letters of recommendation. Undergraduate research experience, either through Biology 492 or other means is strongly recommended. **It is the responsibility of the student to know the requirements of the graduate schools of interest.** Most graduate programs maintain websites that describe admissions requirements and procedures, availability of teaching and research assistantships, and research interests of their faculty.

The spring or summer before your senior year is the best time to make contact with grad schools and potential major professors.