Wildlife Sciences — Pre-Veterinary Medicine (WLPV)

The Wildlife Sciences Pre-veterinary Medicine (WLPV) degree program prepares students with an interest in the outdoors and free-ranging wildlife populations with the necessary understanding of wildlife ecology, management, and conservation to be effective wildlife veterinarians. With this foundational knowledge students are prepared for veterinary school either at Auburn University or other institutions.

The learning objectives of the program are to provide students with:

1. Knowledge of wild animal biology, behavior, and ecology, including their interactions with other species and their environment.
2. Understanding the strategies and methods for conserving wildlife populations and habitats, including habitat loss, fragmentation, invasive species, and climate change.
3. Knowledge of techniques for managing wildlife populations, including population monitoring, habitat management, and population control methods.
4. Understanding the broader environmental context in which wildlife populations exist, including ecosystem dynamics, biodiversity conservation, and environmental policy.
5. Knowledge about human and wildlife interactions, including conflicts over resources, conservation ethics, and human impacts on wildlife.

In addition, students will receive: 1) Foundational coursework in biology, chemistry, physics, and mathematics required for admission to veterinary school; and 2) Additional coursework related to veterinary medicine, such as animal nutrition, pharmacology, pathology, and diagnostic techniques.

Students completing the first three years in the Wildlife Sciences, Pre-Veterinary Medicine Concentration meet the minimum requirements for admission to the College of Veterinary Medicine (CVM). Upon completion of the required curriculum, graduates may be admitted to the CVM prior to completion of the full four years. After completion of their freshman year in the CVM, students may obtain a Bachelor of Science in this concentration. All minimum requirements must be completed by the end of the spring semester preceding the date of admission to CVM. (See the College of Veterinary Medicine section for additional information.) Successful completion of the Doctor of Veterinary Medicine (DVM) degree qualifies graduates as wildlife veterinarians.

Freshman

Fall	Hours	Spring	Hours
ENGL 1100 English Composition I	3	CHEM 1040 Fundamental Chemistry II	3
BIOL 1020 Principles of Biology & BIOL 1021 Principles of Biology Laboratory	4	CHEM 1041 Fundamental Chemistry II Laboratory	1
CHEM 1031 Fundamental Chemistry I Laboratory	1	ENGL 1120 English Composition II	3
CHEM 1030 Fundamentals Chemistry I	3	BIOL 1030 Organismal Biology & BIOL 1031 Organismal Biology Laboratory	4
MATH 1610 Calculus I	4	STAT 2510 Statistics for Biological and Health Sciences	3
	15		**14**

Sophomore

Fall	Hours	Spring	Hours
PHYS 1500 General Physics I	4	History or Social Science [1]	3
WILD 2050 Wildlife Conservation History and Law[*,2]	**3**	CHEM 2080 Organic Chemistry II	3
History [1]	3	CHEM 2081 Organic Chemistry II Laboratory	1
CHEM 2071 Organic Chemistry I Laboratory	1	BIOL 3000 Genetics	3
CHEM 2070 Organic Chemistry I	3	BIOL 3001 General Genetics Laboratory	1

		BIOL 3060 Ecology[2]	**4**
	14		**15**

Junior

Fall	**Hours**	**Spring**	**Hours**
Elec SCI[3]	3	BIOL 4100 Cell Biology	3
Literature[1]	3	Humanities or Literature[1]	3
BCHE 3200 Principles of Biochemistry	3	Social Science	3
WILD 3280 Wildlife Ecology, Conservation, and Management[*,2]	**3**	Elec SIC[3]	3
COMM 1000 Public Speaking	3	**WILD 5750 Analysis for Environmental and Health Sciences**	**4**
	15		**16**

Senior

Fall	**Hours**	**Spring**	**Hours**
FORY 3100 Dendrology[*,2]	**3**	**WILD 5290 Mammalian Ecology and Management**[*,2]	**2**
WILD 5280 Avian Ecology and Management[*,2]	**2**	**FOWS 5270 Natural Resource Policy**[*,2]	**3**
BIOL 4020 Vertebrate Biodiversity[2]	**4**	UNIV 4AA0 Achieve the Creed	0
Fine Arts	3	**WILD 4890 Wildlife Population Science *or* 5880 Wildlife Habitat Assessment and Management (WILD 5880 taught in Fall)**[*,2]	**3**
Social Science	3	BIOL 3030 Evolution and Systematics	3
Free Elective	1	ANSC 3400 Animal Nutrition	4
	16		**15**

Total Hours: 120

1 Student must complete a sequence in either Literature or History.

2 These courses are components of the Wildlife/Pre-Vet major

3 Select from *BIOL 3010 Comparative Anatomy, BIOL 3200 General Microbiology, BIOL 4000 Histology, BIOL 5110 Parasitology, BIOL 5240 Animal Physiology, BIOL 5500 Immunology, BIOL 5600 Mammalian Physiology (Biomedical Physiology), ANSC 3600 Reproductive Physiology, or PHYS 1510 General Physics II

Courses with an asterisk (*) must be completed with a grade of “C” or better