

# Program

## ◆ Obligatory courses

Course	Lectures	Practical Work	Credits
Natural Basis of Transmissible Infections and Parasitic Diseases	30	15	3
Taxonomy and Faunistics	45	45	6
Zoomonithoring	45	45	6
Evolution and Phylogeny of Animals	45	15	4
Theriology	30	45	5
Animal Psychology	45	30	5
Applied Zoology	45	45	6
Ichthyology	30	30	4
Herpethology	45	45	6
Bird Sociology	45	30	5
Practice in Applied Zoology	-	60	2
Practicum	-	90	15



## ◆ Elective Courses

Course	Lectures	Practical Work	Credits
Ecological Physiology of Animals	30	30	4
Paleozoology of Vertebrates	30	30	4
Medical theriology	30	30	4
Methods for the study of vertebrate animals	45	15	4

## CONTACTS

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Faculty of Biology

Department of Zoology  
and Anthropology

Master Program of  
Zoology:  
Vertebrate Zoology



The master program in Vertebrate zoology complements the knowledge attended in the bachelor's course of education in the field of the biology, the ecology, the phylogeny, the taxonomy, the ethology and the psychology of the vertebrates. The process of education includes the application of the acquired knowledge and abilities in the protection and monitoring of the endangered species, the breeding and the use of the vertebrates as indicators of the negative changes in the ecosystems and the environment.

The candidates must be bachelors in the professional trend "BIOLOGICAL SCIENCES".

The education lasts 3 semesters (terms) – the first two include auditory and practical studies, while the third is for making diploma work under the guide of qualified scientist. The program includes 12 obligatory and 2 elective (as minimum) courses. The whole program includes 1048 hours.

On the base of the European system for transfer of cadres (ECTC) the program is evaluated for 90 credits.



The students will attain the following abilities:

- knowledge and practical abilities on the main groups of vertebrates – fish, amphibians, reptiles, birds and mammals and their diversity.

- methods of scientific studies in the field of the ichthyology, the bathrachology and the herpethology, ornithology and the theriology.

- prevention, management and restoration of the populations of rare and endangered wild animal species.

- study of the fossil vertebrate fauna and the development of the Bulgarian fauna in the past.

- knowledge and practical abilities in the study of the behavior and the psychology of the vertebrates from the basic instinctive behavior forms to the manifestation of mental activities in the higher vertebrates.

The master program in Vertebrate zoology provides high qualification and realization perspectives for the students.

The students could realize themselves as:

- specialists and PhD students in different educational and scientific institutes.

- experts in all government institutions connected with the environment protection – the Ministry of education, the Regional inspectorates of the environment etc.

- in national and natural park guide structures, natural reserves, sanctuaries and resources management in NATURA 2000.

- experts in the political organizations dealing with green politic and environment.

- experts and specialists in all national and international nongovernmental organizations and foundations dealing with biological diversity and environment.

- experts and guides in business-organizations and firms dealing with eco-tourism.

- experts in game stations, and guides in tourist-game firms.

- specialists in firms for trade and distribution of exotic species and pets.

- specialists in zoos and vivaria.

- agricultural institutions of different kind.