



Faculty of Biology

# Biology

at Faculty of Biology, 16 Studentski trg, 11000 Belgrade, [www.bio.bg.ac.rs](http://www.bio.bg.ac.rs)

ECTS: 120/ LANGUAGE OF INSTRUCTION: SERBIAN/ DEGREE: MASTER BIOLOGIST

## Study program content

The Master degree program of academic study of Biology is a 120 ECTS two-year academic program, dedicated to education and training of students for scientific and research and for professional work in the fields of biology and biology teaching.

Upon completion of the degree program, students acquire the academic title of Master biologist and have integrated the knowledge necessary for scientific research, professional and teaching-educational work in the sciences, education, industry, agriculture, medicine, etc..

The study program has a Biology research module and a module Professor of biology, focused on the acquisition of additional pedagogical and methodological knowledge and skills required in biology teaching in primary and secondary education. Both modules have a large number of elective courses common to all students.

The Professor of biology module provides for professional practice in primary and secondary schools. The study program is carried out through various forms of theoretical and practical instruction (lectures, exercises, laboratory exercises), field work, study and research work, seminars, colloquia, exams. Different types of independent activities of students are recognized through free credits built into the curriculum.

The program envisages a student masters dissertation, upon successful defense of which, the student acquires the rights provided by law for completion of master studies.

## Study program goals

The aim of the Biology master degree program of academic study is a highly professional staff that has a complete academic education in biology, as well as specific competencies necessary for teaching and pedagogical and scientific research work in the selected specific field of biology, according to the chosen submodule.

## Modules

Biology and Professor of biology.

## Study program outcomes

By completing the Biology master degree program of academic study, a student obtains the following general capabilities:

- Analysis and synthesis of knowledge about the structure, organization and function of biological systems at the level of molecules, cells, individuals, populations;
- Mastering the complex and specific methods and processes of research in biology;
- Development of critical thinking and self-critical thinking about biological concepts and approaches to understanding biological phenomena;
- Application of acquired knowledge in biology research and teaching practice;
- Development of professional skills, communication skills and responsibilities, individual and team work.

## Admission requirements

Anyone who has completed the appropriate basic academic studies and has achieved 180 ECTS is eligible to enroll.

## Contact

Head of the study program:  
**Prof. Dr. Marina Stamenković-Radak**  
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# Ecology

at Faculty of Biology, 16 Studentski trg, 11000 Belgrade, [www.bio.bg.ac.rs](http://www.bio.bg.ac.rs)

ECTS: 120/ LANGUAGE OF INSTRUCTION: SERBIAN/ DEGREE: MASTER ECOLOGIST

## Study program content

The Master degree program of academic study of Ecology is a 120 ECTS two-year academic program, dedicated to education and training of students for scientific and research and for professional work in the fields of ecology and environmental protection. Upon completion of the degree program, students acquire the academic title of Master ecologist and have integrated the knowledge necessary for scientific research and professional work in science, commerce, industry, agriculture, forestry, nature protection and other areas. The study program has two modules: Ecology and Environment, which consist of common compulsory courses that provide basic knowledge about ecology as a whole, subject-specific modules and elective courses common to all students. Among the elective courses offered are courses linking ecological aspects of environmental protection with technological, legal, economic aspects and so on. The study program is carried out through various forms of theoretical and practical instruction (lectures, exercises, laboratory exercises), field work, study and research work, seminars, professional and research projects, conferences and education. The program envisages a student masters dissertation, upon successful defense of which, the student acquires the rights provided by law for completion of master studies.

## Study program goals

The aim of the Ecology master degree program of academic study is a highly professional staff that has a complete academic education in the field of ecology, as well as specific competencies necessary to work in certain specific areas, according to the chosen modules.

## Modules

Ecology and Environmental protection.

## Study program outcomes

By completing the Ecology master degree program of academic study, a student obtains the following general capabilities: - analysis and synthesis of knowledge about the structure, organization and function of biological systems, especially at the level of populations and ecosystems; - mastering the complex and specific methods and processes of research in ecology, - development of critical thinking on biological concepts and approaches to issues of environmental phenomena and environmental protection; - application of acquired knowledge in practice; - development of professional skills, communication skills and responsibilities, individual and team work in a multidisciplinary environment; - established views of bioethics.

## Admission requirements

Anyone who has completed the appropriate basic academic studies and has achieved 180 ECTS is eligible to enroll.

## Contact

Head of the study program:  
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# Molecular Biology and Physiology

at Faculty of Biology, 16 Studentski trg, 11000 Belgrade, [www.bio.bg.ac.rs](http://www.bio.bg.ac.rs)

ECTS: 120/ LANGUAGE OF INSTRUCTION: SERBIAN/ DEGREE: MASTER

## Study program content

The Master degree program of academic study of Molecular biology and physiology is a 120 ECTS the two-year academic program, dedicated to education and training of students for scientific and research and professional work in the field of molecular biology and physiology. Upon completion of the Molecular Biology and Physiology degree program, students acquire the academic title of Master Biology - molecular biologist and physiologist, and have integrated the knowledge necessary for scientific research and professional work in biological sciences, in medicine, pharmacy, biotechnology and other areas. The degree program has four modules: Experimental Medicine, Neurobiology, Human Molecular Genetics and Genetic Engineering and Biotechnology, and consists of common compulsory courses that provide basic knowledge in molecular biology and physiology in general, subject-specific modules and elective courses common to all students. The study program is carried out through various forms of theoretical and practical instruction (lectures, exercises, laboratory exercises) study research, seminars, professional and research projects, conferences and education. The program envisages a student masters dissertation, upon successful defense of which, the student acquires the rights provided by law for completion of master studies.

## Study program goals

The aim of the Molecular biology and physiology master degree program of academic study is the education of highly qualified personnel who have a complete academic education and integrated knowledge and understanding of the molecular biological and physiological aspects of biology, as well as specific competencies necessary to work in certain specific areas, according to the chosen modules .

## Modules

Experimental biomedicine, neurobiology, human molecular genetics and genetic engineering and biotechnology.

## Study program outcomes

By completing the Master degree program of academic study, the biology student obtains the following general capabilities: - analysis and synthesis of knowledge about the structure, organization and function of biological systems at the level of molecules, cells, individuals, populations; - mastering the complex and specific methods and processes of research in molecular biology and physiology ; - the development of critical thinking about biological concepts and molecular-biological and physiological approaches to understanding biological phenomena; - apply and test knowledge gained through molecular-biological and physiological approaches to solving current challenges of modern civilization; - the development of professional skills, communication skills and responsibility, independence and teamwork in a multidisciplinary environment; - well-developed views of bioethics.

## Admission requirements

Anyone who has completed the appropriate basic academic studies and has achieved 180 ECTS is eligible to enroll.

## Contact

Head of the study program:  
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