



# BIOLOGY

### 1. Mision of the study program

The mission of the *Biology* undergraduate program is to train highly qualified specialists and to carry out scientific research and continuing education in the field of biology.

### 2. Objectives of the study program

- a.) to allow the acquisition of specialized knowledge in an operational system that ensures professional, cognitive and affective-valued competences;
- b.) to underpin the development of interdisciplinary, integrative optics with a view to preparing graduates adaptable to the demands of society;
- c.) to train graduates with advanced training in the field of biology at a level corresponding to current internationally recognized requirements;
- d.) to provide an optimal framework for two-way transfer of information between academia and practice.

### 3. Study program premises and deliverables

The *Biology* undergraduate program has been functioning since 2002 and was accredited in 2009, as stated in the ARACIS Council decision of 25.06.2014. The *Biology* undergraduate program trains specialists in the field of biology. It is continued with the Master's program in *Applied Biology*, offering graduates of the first cycle of undergraduate studies the opportunity to complete their studies with the second cycle in the same field. The *Biology* study program ensures the formation of cognitive, professional (instrumental) and affective (interpersonal) skills in accordance with national and international standards. The competences developed by the graduates of this study program qualify them for the following occupations, according to the diploma supplement and RNCIS registration: *Biologist 213114*; *Biologist Adviser 213101*; *Biologist Specialist Reviewer 213104*.

### 4. Teaching activities

<b>Courses</b>	862 hours
<b>Seminars</b>	292 hours
<b>Laboratories</b>	706 hours
<b>Practicum</b>	168 hours

### 5. Students' evaluation

Evaluation type	Number of evaluations/years of study				
	1st Year	2nd Year	3rd Year	TOTAL	%
<b>Exams</b>	8	9	7	24	50
<b>Colloquia</b>	7	6	7	20	41.7
<b>Other forms</b>	2	2	-	4	8.3

### 6. How to apply (admission conditions). Conditions for enrolment in the following year. Conditions for passing the years of study.

The selection methods for the admission examination are based exclusively on the candidate's academic competence. Registration to the admission examination for the Biology bachelor

program is based only on the baccalaureate diploma. The admission grade is the average obtained in the baccalaureate examination. In the event of a tie in the overall admission average grades, a tie-breaking procedure is applied which takes into account, in order: a) the grade in Test E.d of the baccalaureate examination; b) the grade in Test E.c of the baccalaureate examination.

Enrolment in the following year is subject to the fulfillment of the promotion conditions contained in the Regulation on the professional activity of students:

- Enrollment in the second year is subject to the accumulation of a minimum of 30 credits;
- Enrolment in the third year is subject to the accumulation of at least 90 credits.

## 7. Equality of chances

The recruitment, admission, transfer and mobility of students in the *Biology* program are carried out transparently in accordance with the national legislation and the procedures approved by the ULBS Senate. Admission is based exclusively on the candidate's academic competence and does not apply any discriminatory criteria.

## 8. Sustainability of the program

From the perspective of environmental sustainability, the *Biology* study program promotes an efficient use of resources through the following measures: configuring the study groups to minimize energy consumption related to teaching activities while ensuring efficient professional training; encouraging the use of electronic format for homework, reports or projects; using electronic support materials to replace biological materials (plant or animal species). In addition, the waste resulting from the applied activities is managed in accordance with the rules in force and the waste collection system adopted by ULBS.

The need for biology specialists has increased in recent decades as new global challenges arise and new cutting-edge fields are developed. Graduates of *Biology* degree programs can take up jobs in fields such as education, biomedical, molecular biology, water resources management, biodiversity management, agriculture, aquaculture, research, etc.

The professional training through the undergraduate program *Biology* thus responds to the needs of the society by making social and economic development sustainable.

## 9. Making training flexible. Conditions

The flexibility of the study program is ensured through optional and facultative disciplines.

There are 18 optional subjects, grouped two by two in 9 packages, from which students will choose one. Optional subjects are offered from semester 3, when students will choose two subjects. In semester 4 two packages are proposed and in year 3, three packages in the first semester and one package in the second semester. The large number of optional subjects makes the study program more flexible and allows the acquisition of competences for different professional outlets. In addition, practicum 2 has two modules, with laboratory and field components respectively, for which 2nd year students can opt.

The curriculum of the *Biology* program also includes 11 facultative disciplines proposed by the program, plus 12 facultative subjects proposed by the university.

From the area of transversal optional subjects proposed by the university are included:

- Romanian Culture and Civilization
- Multiculturalism and European civilization
- Academic writing
- Presentation Techniques

- Education for Sustainability
- Digital literacy
- Social equity and non-discrimination

## 10. Methodology for assessing competences at graduation

The conditions for taking the graduation examination are set out in the applicable Methodology for the Completion of Studies, approved by the University Senate. According to this methodology, attendance of the graduation examination is conditional to the passing of all the subjects foreseen in the curriculum.

### GRADUATION EXAM

1. *Period for writing the bachelor's thesis: semesters 5-6;*
2. *Registration period for the graduation exam - June.*
3. *The period for taking the graduation examination: week 40 of the third year*
4. *Number of credits for passing the bachelor examination: 10 credits.*

## 11. Preparation for getting a teaching position through competition

To get a teaching position (secondary, high school or higher education in the undergraduate field) through competition, the graduate must have a Certificate of Graduation from a study program for psycho-pedagogical training (which allows the exercise of the teaching profession) coordinated by the Department for the Preparation of Teachers at ULBS (or at another university).

The psycho-pedagogical training for obtaining the Graduation Certificate is done by the completion of two modules:

(1) Module I (30 credits) - which is carried out additionally, in parallel with the undergraduate studies or as a postgraduate program, at the end of which the Graduation Certificate (Module I) is obtained.

(2) Module II (30 credits) - to be taken after the Bachelor's degree, in parallel with the Master's degree or postgraduate studies. It is finalized with a Certificate of Completion (in-depth level).