



### (A) GENERAL DATA

<b>Title</b>	Master's Programme in Biology
<b>Degree</b>	Biologist
<b>Type</b>	Degree program
<b>Level</b>	Master level
<b>Accreditation number</b>	FF/1445-2/2015.
<b>Institute</b>	Institute of Biology
<b>Language</b>	English
<b>Duration</b>	4 semester
<b>ECTS credits</b>	120
<b>Place</b>	ELTE Lágymányosi Campus
<b>Minimum number of new students<sup>1</sup></b>	5 per sub-program (specialization)
<b>Maximum number of new students</b>	-

<sup>1</sup> If the number of admitted students does not reach threshold the program may be cancelled.



## **(B) PROGRAM CONTENT**

### **Short description:**

Students participate in intensive advanced and high level courses in the different fields of biology, which are the most relevant for their specialization, to make them informed about the recent developments and frontline problems. Some 60 % of time is practical hours (spent on laboratory/field practice and on research) ensuring knowledge of state of the art methods. The curriculum is assembled from intensive advanced level courses on the theoretical aspects of selected disciplines and special seminar series on problems in a narrower field of science. The program also involves practical courses and a supervised research activity, which is needed for the preparation of the “M.Sc. Thesis”. In the first two semesters emphasis is on theory and basic laboratory or field practice. The third and the fourth semesters are devoted to research and preparation of thesis. The training medium is English so students can gain a better command of the academic English in different fields of biology. Five sub-programs (program specializations) are possible. These sub-programs cover the most important fields of biology. (For further details of sub-program structure see [http://bio.elte.hu/engedu/MSc\\_bio/bioMSc\\_curr\\_modul.htm](http://bio.elte.hu/engedu/MSc_bio/bioMSc_curr_modul.htm).) The five sub-programs offer knowledge that is up-to-date. Students enroll in one of these according to their interest. With choosing a Program Specialization, students also choose the field in which they will prepare their M.Sc. thesis work. A committee from teachers in the biology program will evaluate the „M.Sc. Thesis”.

### **Strength of program:**

The Institute of Biology consists of 12 departments and so it gives one of the most differentiated education in our country. This also results in broadly-based sub-programs and generates knowledge which is interdisciplinary a bit.

Besides teaching, there is an international level research work at each department, which gives possibility for students to learn the most important methods in different research fields of biology. During their thesis work, M.Sc. students join a research group preferably in a department of the University, but research groups in other universities or laboratories can also be chosen. Students have their own research project, which they work on under the supervision of a project leader. Project leaders usually also act as tutors, who are responsible for the progress of the students and for giving advice in assembling a personal curriculum for them.

During their studies, students can participate in different (university and country) level competitions where they can practice presentation of their research achievements in a conference setting.



## **(C) STRUCTURE**

FOR DETAILED PROGRAMS OF THE DIFFERENT SUB-PROGRAMS CHECK AT THE FOLLOWING WEBSITES:

**Ecology-, Evolutionary and Conservation Biology:**

[http://bio.elte.hu/engedu/MSc\\_bio/bioMSc\\_curr\\_EEC.htm](http://bio.elte.hu/engedu/MSc_bio/bioMSc_curr_EEC.htm)

**Molecular-, Immun- and Microbiology:**

[http://bio.elte.hu/engedu/MSc\\_bio/bioMSc\\_curr\\_MIM.htm](http://bio.elte.hu/engedu/MSc_bio/bioMSc_curr_MIM.htm)

**Molecular Genetics, Cell- and Developmental Biology:**

[http://bio.elte.hu/engedu/MSc\\_bio/bioMSc\\_curr\\_MGCD.htm](http://bio.elte.hu/engedu/MSc_bio/bioMSc_curr_MGCD.htm)

**Plant Biology:** [http://bio.elte.hu/engedu/MSc\\_bio/bioMSc\\_curr\\_PB.htm](http://bio.elte.hu/engedu/MSc_bio/bioMSc_curr_PB.htm)

**Neuro- and Human Biology:** [http://bio.elte.hu/engedu/MSc\\_bio/bioMSc\\_curr\\_NH.htm](http://bio.elte.hu/engedu/MSc_bio/bioMSc_curr_NH.htm)

**For list of compulsory courses check:**

[http://bio.elte.hu/engedu/MSc\\_bio/bioMSc\\_compulsary.htm](http://bio.elte.hu/engedu/MSc_bio/bioMSc_compulsary.htm)



## **(D) CAREER**

### **Career opportunities:**

Biology M.Sc. program is intended for students who wish to pursue a research-oriented or teaching career in biology, for students who interested in carrying out distinguished scholarly activities: have original, creative and critical thinking and are able to develop a both theoretically and technically broadly based research knowledge in their selected fields of specialization or who want to gain competence in high/university level teaching. The five sub-programs each give deep and specialized knowledge in its field which is broadly based at the same time.

M.Sc. graduates will be able to participate creatively in research projects, to recognize and handle complex problems through multi-sided approach in planning and performing experiments. The knowledge obtained in the M.Sc. program forms an excellent basis that is necessary for studies in a Ph.D. program.

Students having diploma from the Biology Master of Science Program of Eötvös Loránd University will be competent researchers in any countries on wide fields of biology from basic to applied science, they can get a job as researchers in industrial firms, different research institutes or even in other universities. Diploma awarded by Eötvös Loránd University scores full marks worldwide.

Those who do not want career as a researcher but are interested in more practice oriented jobs can exploit their knowledge from this program, after some further training, in teaching, in managing technology development projects at industrial or agricultural firms, and in governmental organizations.

### **Job examples:**

Researcher in basic or applied research institutes in different fields of biological discovery or development (from agriculture through environment protection, health care, medical techniques and applications, to drug development).

University teacher of different fields of biology, college or high school teacher of biology.

Company employee of agricultural firms (gene technology of organisms, pest control e.t.c.), of industrial firms (among others, gene technology products, environment protection, drug development), officials in governmental organizations (e.g. health care, environment management and protection).



## (E) ADMISSIONS FOR THE ACADEMIC YEAR 2017/2018

### TUITION AND OTHER FEES

	EU/EEA students	non-EU/EEA students
<b>Tuition fee/semester</b>	4190 (EUR)*	4190 (EUR)*
<b>Application fee</b>	160 (EUR)	160 (EUR)
<b>Registration fee</b>	60 (EUR)	60 (EUR)

\* It is possible to apply for scholarship to reduce tuition fee.

<b>Offered for the academic year 2017/2018?</b>	<b>YES</b>
<b>Deadline for applications – September intake (DD/MM/YYYY)</b>	<b>30 March 2017</b>
<b>Is there a February intake (DD/MM/YYYY)?</b>	<b>NO</b>

#### Admission requirements – Language requirements:

Transcript of test report of International English Language Testing System (IELTS) or equivalent (e.g. TOFEL).

#### Admission requirements – Documents to submit with application:

- ✓ Bachelor-level degree
- ✓ Transcript of records
- ✓ CV
- ✓ Motivation letter
- ✓ Application form
- ✓ Copy of the main pages of the passport (needs to be valid)
- ✓ Passport photo
- ✓ Medical certificate
- ✓ Certificate of clean criminal records
- ✓ Copy of application fee transfer



**Application procedure:**

Applicants has to apply by the deadline given, usually by the end of March of the tuition year they wanted to be accepted in. They must submit all the required documents, photo (see for the complete list above), contact information (e-mail address and Skype ID code) and their chosen sub-program by the end of May. Also by this time they will receive a topic list that is used in the entrance interview. With this list at hand applicants can prepare for the interview, refreshing their knowledge regarding those fields of biology that are related to the sub-program the applicants have chosen. The contact person in these matters is the International coordinator of Faculty of Science. Notification of applicants about the exact time of interview is scheduled mid-June. The time of interviews is the end of June or early July.

**Procedure of the entrance examination:**

The admission to the program is decided on the result of an oral interview through Skype. A committee of teachers from the appropriate sub-program interviews the applicants. The applicants will be notified by the interviewer, or the program coordinator through e-mail several days before the interview about the exact time of the interview. On the interview short questions are asked from the topic list that applicants received weeks before. The questions are from those fields of biology that belong or related to the sub-program which has been chosen by the applicant. Applicants has to answer the questions promptly. The duration of the interview is about thirty minutes. When all the interview has been finished, the committee of teacher decide who can be admitted to the program. The applicants will be informed about the decision by the vice-Dean of the Faculty of Science by the end of July. Those who get a letter about a positive decision (official letter of acceptance) can use that letter to initiate visa application.



## **(F) CONTACT**

### ***Program leader***

Name: Prof. Károly MÁRIALIGETI

### ***Program coordinator***

Name: István VENEKEI PhD

### ***International program coordinator***

Name: Ms. Angelika ÚJVÁRY

E-mail: inter [at] ttk.elte.hu