Academic Education

The Educational and Scientific Centre "Institute of Biology and Medicine" was founded at Taras Shevchenko National University of Kyiv on the basis of Faculty of Biology, which was established as an independent entity in 1933. However, two of its departments (Botany and Zoology) have been part of the Faculty of Philosophy of the Imperial University of St. Volodymyr since its founding in 1834. Department of Human Physiology and Department of Histology and Embryology were established at the Medical Faculty in 1842 and 1868, respectively. The Educational and Scientific Centre "Institute of Biology" was founded in 2009 through the merge of the Faculty of Biology of the University with several research institutions. In 2016, when the process of its transformation into a biomedical institution was initiated, it was named "Institute of Biology and Medicine".

Almost two centuries long period of University history is marked by the work of world-known scientists-biologists, such as K. Kessler (one of the founders of faunistic and the author of the theory of bird migration by "wide front"), O. Kowalevsky (one of the founders of evolutionary embryology), A. Severtsov (the founder of phy lethembriogenesis theory), I. Shmalhausen (one of the founders of animal evolutionary morphology), S. Navashyn (discovered the phenomenon of double fertilization in flowering plants), M. Kholdodny (the author of phyt hor mal theory of plant tropism), O. Palladin (the founder of the Ukrainian Biochemistry school), P. Bogach (who discovered many reflexes of the gastrointestinal tract), T. Dobzhansky (who contributed to the development of the synthetic theory of evolution), and many others.

Currently, all Professors and Lecturers of the Institute hold academic degrees, PhD or Doctor of Science.

Integration of research and education

The Institute maintains close working relations with various research institutes of the National Academy of Sciences of Ukraine, Ministry of Health of Ukraine, National Academy of Agrarian Sciences of Ukraine. It also collaborates with many overseas educational and research organisations in many countries (including USA, United Kingdom, France, Germany, Spain, Italy, Estonia, Czech Republic, Bulgaria, Poland, Hungary, Belgium, Belarus, Taiwan, Vietnam and others). Members of staff of the Institute publish their research papers in high-impact international journals.

Within the Institute, there are programs of academic mobility, which allow our students to engage in research or study at overseas educational and research centres of excellence. Our students have opportunities to improve and use their knowledge of the English language by attending lectures of invited visiting leading international scientists, by participating at scientific clubs, as well as international research conferences and while writing up research papers. At the Master (MSc) level, they have the opportunity to study certain disciplines exclusively in English.

Starting the research career

Each year, the Institute organises national and international research conferences. Those students, who have demonstrated their promise in performing research work, are welcome to continue this at the institutions of the Academy of Science of Ukraine, Academies of Medical and Agrarian Sciences of Ukraine, research divisions of our Universities, those of other universities, as well as leading international laboratories. Many graduates go on to work at biological, medical, ecological and biotechnological enterprises and companies, in State Sanitary and Epidemiological Service of Ukraine, and Ministries. Our graduates also contribute to the professorial and lecturer ranks of leading educational establishments of Ukraine.

Classical university education, high quality educational level, scientific conception of the world formed within the University, the abilities to organise their professional work and apply the acquired theoretical knowledge to practice allow the graduates of the Institute to develop their leadership qualities and successfully manage research, applied scientific and administrative enterprises in Ukraine and abroad.

Material and Technical Resources

The Institute comprises 11 departments and the following research divisions:

- Division of Experimental Biology,
- Division of Biological and Biomedical Technologies,
- O.V. Fomin Botanical Garden,
- Kaniv Nature Reserve,
- Museum of Zoology.

At the Institute, there are research laboratories, a diagnostic laboratory, informational and computer centre, inter-departmental educational laboratories. Each year, about one thousand students from Ukraine and other countries (Azerbaijan, Moldavia, Jordan, Turkmenistan, Lebanon, China, Iran and others) study here. They can apply and consolidate their theoretical knowledge during practical training at Kaniv Nature Reserve, National parks of Ukraine, research institutions and various enterprises.

Comfort conditions for study and recreation

Those students, who come to study from other cities, may be accommodated in a 9-storey block-type building, which is situated not far away from the Institute. At the dormitory, there are study rooms with Wi-Fi connection to the Internet, modern sport facilities, laundering area equipped with automated washing machines, as well as rooms for meetings of the Student Council, playing table tennis, performing aerobic exercises and music.

Students can choose to do their military training under the program of reserve officers training by the contract with the Military Institute of Taras Shevchenko National University of Kyiv.

Become Ukraine’s elite together with us!
Full-time studies

The list of competitive exams in disciplines according to the certificate of the Ukrainian Center for Educational Quality Assessment (UCEQA) for enrollees on the basis of full general secondary education.

<table>
<thead>
<tr>
<th>Study Program</th>
<th>Examination subject</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>Ukrainian language and literature</td>
<td>101</td>
</tr>
<tr>
<td>Biotechnology</td>
<td>Biology</td>
<td>125</td>
</tr>
<tr>
<td>Laboratory Diagnostics</td>
<td>Chemistry or Math</td>
<td>101</td>
</tr>
<tr>
<td>Dietology</td>
<td>Ukrainian language and literature</td>
<td>101</td>
</tr>
<tr>
<td>(separate competition)</td>
<td>Biology</td>
<td>125</td>
</tr>
<tr>
<td>Ecology</td>
<td>Math or Geography</td>
<td>101</td>
</tr>
<tr>
<td>Landscape design and planting of greenery (separate competition)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Minimal grade point allowing participation in the competition

Part-time studies

Persons, who have qualification of "Junior Specialist" in related disciplines, may be admitted to the second study year after successfully passing their speciality entry examinations.

Detailed information can be found: http://biology.univ.kiev.ua/abiturientam.html

"Bachelor" degree

Syllabi 091 "Biology" (full- and part-time studies): study program "Biology" (specialisations: Biophysics and Medical Informatics, Biochemistry, Botany, Virology, Genetics, Zoology, Immunology, Microbiology, Molecular Biology, Biology of Reproduction, Human and Animal Physiology, Plant Physiology, Cytology and Histology).

Syllabi 101 "Ecology" (full-time studies): study program "Ecology".

Syllabi 162 "Biotechnology and Bioengineering" (full-time studies): study program "Biotechnology".

Syllabi 206 "Garden and Park Husbandry" (full-time studies): study program "Landscape Design and Planting of Greenery", as well as study program "Garden and Park Husbandry", admission into the 2nd Year for persons, who have qualification of "Junior Specialist" after successfully passing their speciality entry examinations.

Syllabi 224 "Technologies for Medical Diagnostics and Treatment" (full-time studies): study program "Laboratory Diagnostics" and "Dietology".

"Master" degree

Syllabi 091 "Biology" (full- and part-time studies): study program "Biology" (specialisations: Biophysics and Medical Informatics, Biochemistry, Botany, Virology, Genetics, Evolutionary Biology, Zoology, Immunology, Laboratory Diagnostics of Biological Systems, Microbiology, Molecular Biology, Human and Animal Physiology, Plant Physiology and Ecology, Cytology and Histology).

Syllabi 101 "Ecology" (full-time studies): study program "Ecological Security".

Syllabi 162 "Biotechnology and Bioengineering" (full-time studies): study program "Biotechnology".

Study duration:
"Bachelor": full-time - 4 years, part-time - 5 years.
"Master": full-time - 2 years, part-time - 2 years.