

Biology

Code

06.04.01

Profiles

Pharmacology, Evidence-Based Pharmacology & Pharmacotherapy

Degree

Masters

Learning mode

Contract

Career opportunities

Primary candidates for many PhD programs, either at the same universities or internationally. Masters in Pharmacology course provides a unique opportunity of creating students' own PhD projects and contributing to it in advance.

Key specialists in administrative / legal / regulatory / policy affairs / pharmaceutical regulation. Positions linking medical pharmaceutical sciences to pharmaceutical business or policy strategy should become increasingly available at governmental and semi-governmental institutions such as the medicines evaluation boards or the Ministry of Health, at societal (non-governmental) organizations.

Learning outcomes

The graduate in the Masters:

1. takes personal responsibility for his/her learning, developing a foundation for subsequent continuing professional development,
2. communicates effectively, orally and in writing, with his/her teachers and peers, as a sound basis for future interaction with patients, care-givers and other healthcare professionals,
3. can undertake structured problem-solving, is able to recognise ethical dilemmas in healthcare and science, and understands ways in which these might be managed by healthcare professionals, whilst taking account of relevant law,
4. appreciates and has an understanding of main sources of drugs; ways in which drugs are developed; their properties and effects in people,
5. has an understanding of the design, manufacture and performance of drugs and is able to critically appreciate the inter-relationship between formulation, drug delivery and therapeutic effectiveness, understands how medicines are developed, manufactured and brought to the market place,
6. is able to write prescriptions and other orders for medicines, and to advise patients and other healthcare professionals about medicines and their use,
7. can apply appropriate research approaches and methods to manage scientific and practice problems,
8. has a foundation of knowledge, understanding and skills for promoting good health, diagnosing disease, and prescribing medicines,
9. understands and can explain concepts of medicines management and pharmaceutical care.

Options for graduate employment

Careers in education, lecturing and / or research in Pharmacology. Positions in academic and general hospitals / clinics. They would become key specialists in drug evaluation boards / formulary committees, clinical research, policymaking, clinical education, management and communications. Positions in research-intensive institutes within pharmaceutical and biotechnology industry emerging in Russia and internationally. They would be able to contribute to drug innovation within research institutes at any of the growing number of pharmaceutical and biotechnology companies or to advise on the rational use of medicines within health care organizations.

Mode of study

Full-time and part-time education

Duration of study: 2 years

Admission requirements: Bachelor diploma or higher; TORFL-2 (for Russian taught program); B1 – for English taught program