
Postgraduate program in Biosciences and Technology of bioactive products IB-UNICAMP (BTPB-Unicamp)

Concentration Area: Drugs, Medicines and Supplies for Health

(Pharmaceutical Sciences)

Level: Master's and Doctoral Scholar

The Postgraduate program in Biosciences and Technology of Bioactive Products of the Institute of Biology of the Unicamp, presents as Concentration Area Drugs, Medicines and Supplies for Health, which focuses on innovation and technological development with integrative research and development to achieve product Pharmaceutical interest for the maintenance and restoration of health. With this strategic objective, the Postgraduate Program BTPB-Unicamp operates in three research lines:

1 - Biomimetic systems, structural biology, molecular modeling and drug targets.

Search for new therapeutic targets using systems focused on the genesis, function and neuro-immune-endocrine regulation and establishment of mimetic models in order to minimize the use of laboratory animals. Use of genomics and proteomics tools for structural studies and for molecular modeling with a focus on the design and improvement of molecules with potential for pharmacological use.

2 – Obtention and evaluation of biological molecules and products of pharmaceutical interest .

This line of research brings together issues of fundamental and applied research concerned with the rational design of bioactive products and is focused on achieving molecules and products of pharmaceutical interest from bioprospecting (isolation and purification), biotechnology processes and / or synthesis and study in vitro, in vivo and ex vivo in order to determine the biological activity and toxicity.

3 - Development, quality assessment and use of supplies and pharmaceuticals

Research and development of raw materials and pharmaceutical products: the design of dosage forms and delivery systems, quality assurance (Quality control, physicochemical and biological inputs of drugs and medicines), stability, and pharmacology studies on the use of drugs and medicines.

STEPS IN THE SELECTION PROCESS

For applicants whose applications have been accepted (observing the rules of the Regulations of the Post-Graduate in Biosciences and Technology and Bioactive Products of the General Rules of Graduate Studies at UNICAMP), the vetting process will consist of:

SELECTION CRITERIA

I. The selection for candidates for the Master consists in:

1. English test. The candidate must present at registration, a certificate issued by one of the following agencies: TEAP or IELTS (minimum score 6) or TEEFL (CBT-213). A candidate who does not submit the certificate must carry proof of English Program (round, minimum grade 5.0).

2. Specific knowledge assessment (round, minimum grade 5.0) concerning the contents of three areas of knowledge (content attached):

(1) Elements of Chemistry;

(2) Biology;

(3) Pharmaceutical Sciences.

The candidate will be required to choose a major area of knowledge at the time of registration. Proposals will be 30 questions, 10 in each area. The candidate will answer 15 questions, 10 of the main area and may choose the other five from 20 questions of the other two areas.

3. Oral assessment: oral presentation of a paper chosen by the International Program Committee (the article will be available to candidates with at least 24 hours before the start of the proof of oral arguments).

4. Analysis of Curriculum vitae and transcripts

II. The selection for the PhD candidates will consist of:

1. Specific knowledge assessment (round, minimum grade 5.0) concerning the contents of three areas of knowledge (content attached):

(1) Elements of Chemistry;

(2) Biology;

(3) Pharmaceutical Sciences.

The candidate will be required to choose a major area of knowledge at the time of registration. Proposals will be 30 questions, 10 in each area. The candidate will answer 15 questions, 10 of the main area and may choose the other five from 20 questions of the other two areas.

2. Analysis of Curriculum vitae and academic record;

3. Oral assessment: oral presentation of the research project. The research project will be delivered in the model of FAPESP, written in 20 pages, 1.5 spacing and Arial font 12 and should be presented in a maximum of 15 minutes during the interview;

4. Proof of publication of the Master's dissertation submission or sending of the letter published in refereed journal.

IMPORTANT NOTES:

The PhD candidate who has obtained a Master's degree in the Graduate Program, will be exempt from proof of specific knowledge.

The PhD candidate who has not passed a Proficiency in English during the Masters course should do the Test of English. Examination of Proficiency in English will not be considered Instrumental Proficiency in English Language.

The discretion of the PPG-BTPB may be excused by proof of specific knowledge that the candidate who also has a master's degree in another program graduate of the same formation from which the program has at least grade 4 of CAPES.

For doctoral candidates who possess a master degree in another area, evidence of specific knowledge will be used for elimination.

Candidates for Direct PhD not enrolled (not registered) in the Masters in BTPB should take the tests and Specific Knowledge of English, which will have eliminatory character

AVAILABILITY OF VACANCIES FOR YEAR:

20 vacancies for Masters and 20 vacancies for PhD.

[See here for credentialed teachers and contact.](#)

Other information:

DURATION OF COURSE MASTER: Minimum of 1 and maximum of 3 years.

CAPES Recommendation: Maximum 30 months.

DURATION OF THE COURSE OF DOCTORATE: Minimum 2 and maximum of 4.5 years.

CAPES Recommendation: Maximum 4 years.

To complete the course, Master's students should attend at least 20 credits and PhD's students, 12 credits.

SCHOLARSHIPS: acceptance or approval by the advisor in the Examination Admission NOT IMPLY THE PROVISION OF AUTOMATIC SCHOLARSHIP for the candidate.