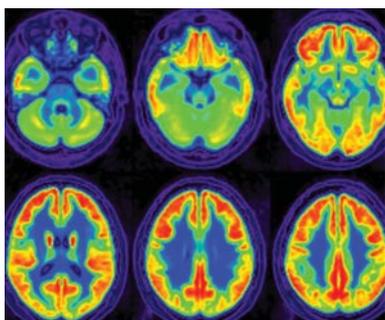


Master of Science in Biophysics, Biochemistry and Biotechnology



DURATION

2 year (full-time), 120 ECTS

APPLICATION DEADLINE

1 March (for non-EEA citizens)

1 June (for EEA citizens)

ACADEMIC CALENDAR



1st semester: 3rd week of September → end of January (exams in January)



2nd semester: 2nd week of February → July (exams in June)

www.kuleuven.be/academiccalendar

The Master of Biophysics, Biochemistry and Biotechnology is an international, interdisciplinary study programme offered by the Faculty of Science in collaboration with the Department of Physics and Astronomy, the Department of Chemistry and the Department of Biology. This two-year Master's programme (120 ECTS) focuses on the phenomena related to the interaction and communication between living cells and their molecular constituents, drawing on research methods used within the fields of molecular and cellular biology, biochemistry and physics.

Programme

The programme provides an in-depth training in the multidisciplinary fields of biophysics and biochemistry, with particular emphasis on the subfields in which KU Leuven's research expertise is internationally recognised:

- the determination of molecular structures,
- molecular and supramolecular modelling,
- the spectroscopy of biomolecules, the biofunctional surfaces and interfaces,
- the nanobiophysics, the physical modelling of complex systems and the study of these models,
- the transport through ion channels in membranes,
- the study of molecular interactions and physical principles in vitro, in complex biological machineries and in the living cell.

This is initial Master's programme and can be followed on either a full-time or part-time basis.

For detailed descriptions of the courses and for the course timetable, please consult www.kuleuven.be/ma/emabioph.

Admission requirements

To be eligible for the master of Biophysics, Biochemistry and Biotechnology, you must have obtained an academic bachelor's degree in the biology, biochemistry, biotechnology, bioscience engineering, chemistry or physics. You also have to provide evidence of your English proficiency.

Good knowledge of the English language is essential. Unless you are of Anglo-Saxon origin, you will be asked to submit a TOEFL or IELTS certificate (TOEFL minimum score 94 internet-based with at least 19 for reading, 18 for Listening, 19 for speaking and 21 for writing) or IELTS minimum score 7 overall, whilst at least 6,5 for reading, 6 for listening, 6 for speaking and 6 for writing).

If you have already completed an English-language academic programme at an Anglo-Saxon university, your degree will be considered sufficient proof of your English proficiency.

Programme admission: www.kuleuven.be/ma/emabioph

General admission: www.kuleuven.be/admissions

Master of Science in Biophysics, Biochemistry and Biotechnology



Discover KU Leuven

Founded in 1425, the University of Leuven (KU Leuven) has been a centre of learning for almost six centuries. Today, it is Belgium's largest and highest-ranked university as well as one of the oldest and most renowned universities in Europe. As a leading European research university and co-founder of the League of European Research Universities (LERU), KU Leuven offers a wide variety of programmes in English supported by high-quality interdisciplinary research.

Within the field of science, engineering, and technology, KU Leuven offers five academic educational profiles organized in five faculties: Science, Engineering Science, Bioscience Engineering, Engineering Technology, and Architecture. Boasting an outstanding central location in the heart of Europe, KU Leuven offers a truly international experience, high-quality education, world-class research and cutting-edge innovation.



KU Leuven is a founding member of
the League of European Research Universities

Tuition fees

The tuition fee for the 2016-2017 academic year is € 890 for all students. The tuition fee for future academic years may be higher as a result of indexation. Please consult the website for the most recent information: www.kuleuven.be/tuitionfees.



Application procedure

KU Leuven uses an online application system. You can download and submit your application form via www.kuleuven.be/application.

Students with a Flemish degree can consult www.kuleuven.be/studentenadministratie.

Career perspectives

A range of career options are available in the pharmaceutical and bioscience industries, where structure determination, modelling and the direct study of molecular interactions in the living cell play a major role. Because of the growing importance of the bioscience industry in today's society and the increasing need for sophisticated high-tech instruments and research methods, the demand for biophysicists and biochemists is expected to exceed supply in the near future.

Graduates may also pursue a career in medical sciences research or academic research. A considerable number of graduates, particularly those who choose a research route for the programme, go on to undertake a PhD at one of our associated research laboratories.

Contact:

www.kuleuven.be/ma/emabioph