University of Hertfordshire UH

Pharmacy and Pharmaceutical Science Courses

Pharmacy

MPharm

UCAS code:
B230

Entry requirements:
120 UCAS points, including A Level Chemistry Grade B and one other A Level Grade B from either Maths, Biology, Physics or Psychology (tariff points excludes General Studies). A pass in the practical element of the Science A Level is required. BTEC Extended Diploma in Applied Science at grade DDM plus an A level in Chemistry at Grade B or above. Plus 5 GCSE's including English Language, Maths and a Science at Grade 5 or above. An overall IELTS score of 6.5 (6.0 in each band) is required if English is not your first language.

For more information please see our website pages.

Offers are subject to a successful interview and DBS check.

Course length:
Full time 4 years

Course Fees:
go.herts.ac.uk/fees

Professional accreditation:
When you have completed both this course and an approved pre-registration year, you will be eligible to register with the General Pharmaceutical Council (GPhC).

How to Apply:
Applications are through UCAS **go.herts.ac.uk/apply**

Website address:
go.herts.ac.uk/B230

About the course

The four year Pharmacy degree programme (MPharm) has been developed to give you a thorough understanding and advanced knowledge of pharmacy theory and practice. The aim of the course is to provide you with the relevant scientific knowledge and skills to become a pharmacist. You will develop an understanding of normal and abnormal bodily functions and be able to apply your knowledge to the treatment of patients.

You will learn about the role of the pharmacist in healthcare and in the pharmaceutical industry and develop interpersonal skills such as communication, application of information technology and group working within the context of the profession.

To prepare you for a professional career in pharmacy, the degree has a strong vocational element. This will provide a wide range of experiences and will develop your ability to relate pharmacy theory to practice. You will undertake your studies both on campus within lecture theatres and modern laboratories, as well as on clinical placements.

A variety of teaching methods including lectures, tutorials, seminars, practical classes and problem based learning will be used throughout the course, supported by computer-assisted learning and self-directed study. You will be regularly assessed throughout the four years by examinations, Objective Structured Clinical Examinations, coursework and project work. Within your final year you will undertake a Research Project in an area which interests you.

First Year

Acts as an introduction to the fundamental knowledge and skills required by pharmacists and the role of pharmacists is explored by practice visits. This is built alongside a strong scientific grounding.

Second Year

Builds on the foundations of year one to cover more complex themes such as pharmaceutics (principles of formulation of medicines), manufacture, dispensing and clinical use of medicines, supported by visits in practice. The sociological issues of pharmacy are also explored.

Third Year

The third year will develop your skills further and the concept of interprofessional working is examined in more depth. This year is supported by direct patient contact in a week long clinical placement.

Final Year

During the final year, core modules cover patient safety, medicines management in clinical practice, public health issues and evidence based clinical use of medicines. You will be able to choose from a range of optional modules to enhance specialist clinical or scientific based knowledge and skills alongside the core requirements of the programme. Taught material becomes steadily more specialised. Students complete a research project linked to the scientific basis of medicines development or clinical use.

Pharmaceutical Science

BSc (Hons)

About the course

Pharmaceutical scientists play a vital role in the development of new medicines, from discovery chemistry, through to formulation development, manufacture and clinical testing, and post marketing pharmacovigilance.

We have developed our Pharmaceutical Science programme in collaboration with a range of local and national companies. As a direct result we have significantly increased the laboratory hours offered to our undergraduates. Our links with major pharmaceutical companies ensure this course is up to date and meeting the needs of today's graduates. These partnerships will provide you with a wide variety of unique opportunities for a placement year, if you choose to take one, and the best visiting lecturers from industry.

The range of modules we offer allows you to understand the fundamental underpinning sciences of chemistry, biochemistry, biology, and pharmacology before building specialist knowledge in drug design, formulation development and clinical testing, whilst equipping you with the essential skills employers want to see in their graduate employees.

First Year

You will study modules introducing you to the fundamentals of pharmaceutical chemistry and analytical chemistry, biology and biochemistry, as well as a human physiology and pharmacology. You will learn to use a range of experimental techniques and analytical tools in practice as well as in theory. You will develop strong data evaluation and presentation skills.

Second Year

You will study analytical chemistry at an advanced level, dosage form design and manufacture, methods in drug design, formulation development and a more specialist pharmacology module. This will give you the scientific knowledge, laboratory and analytical skills to undertake a work placement year in any stage of the pharmaceutical drug development pipeline, with one of our overseas partners.

Work placement/Study Abroad year

We strongly recommend that our students undertake a supervised work placement; recent placements have been based in government and charity-funded research institutions, healthcare companies, agrochemical, pharmaceutical and biotech companies, environmental agencies and the NHS.

Alternatively, you can choose to spend the year studying at one of our partner Universities

Final Year

In your final year you will spend one entire semester carrying out an independent extended research project, enabling you to develop and hone the laboratory, research and documentation skills sought by employers. You will also study modules in pharmaceutical industry practice; simulating real life industry scenarios, and the translation of laboratory science into clinical trials and marketed products, as well as being able to specialise in a core discipline including medicinal chemistry, pharmaceutical formulation development or pharmacology.

UCAS Code:
B202
B208 (extended)

Entry Requirements:
112 UCAS points, including 2 Science A levels with a C grade or above in Chemistry (acceptable Science A levels are Human Biology, Biology, Psychology, Geography, Maths & Physics). A pass in the practical element of the science A Level is required. BTEC Extended Diploma in Applied Science with a minimum DMM profile to include a minimum of 6 Chemistry-titled units at Merit or above. Plus GCSE English language, Mathematics and double Science at grade 4 or above (or 2 single sciences) (Grade C or above if taken prior to 2015). A minimum IELTS score of 6.5 is required for those for whom English is not their first language.

Course Length:
Full-time 3 years
Work placement/study abroad 4 years
Part-time normally 5 years

Course Fees:
Please visit our website
go.herts.ac.uk/fees

Professional Accreditation:
Graduates eligible to apply for Pharmaceutical scientist member of Royal Pharmaceutical society.

How to Apply:
Applications are through UCAS
go.herts.ac.uk/apply

Web Address:
go.herts.ac.uk/B202

"Studying Pharmacy at the University of Hertfordshire is a life changing experience. By the time you have completed your four years, you'll be well prepared to take on any pharmaceutical challenge due to the high standard of teaching you'll receive here!"

Reem El-Hassany
MPharm student at the University of Hertfordshire

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