

# Pharmacy



*'King's has links with big pharmaceutical companies and the structure of the course is specifically designed so that whatever career path I decide upon, I will have a very good understanding of the subject. Studying in London has also been an exciting experience. There is a lot to see and do and whatever your interests, you'll be able to find a club or society to join.'*

Wajid Hussain  
Pharmacy MPharm

## CONTACTS

### ADDRESS

Department of Pharmacy  
King's College London  
Franklin-Wilkins Building, Waterloo Campus  
150 Stamford Street, London SE1 9NH

**CONTACT** Student Admissions Office

**EMAIL** [guysadmissions@kcl.ac.uk](mailto:guysadmissions@kcl.ac.uk)

**TEL** 020 7848 6511

**FAX** 020 7848 6510

**WEBSITE** [www.kcl.ac.uk/pharmacy](http://www.kcl.ac.uk/pharmacy)

### PROFILE

**Students admitted:** 125

**Applicants per place:** 12

**Teaching staff:** 30

Find full descriptions of the structure and content of all our programmes at [www.kcl.ac.uk/ugp](http://www.kcl.ac.uk/ugp)

## Why study Pharmacy at King's?

Pharmacy is the science of medicines. It involves research into chemical structures and natural products of medicinal value; the development of dosage forms; safety testing of the product; production; quality control; distribution of drugs to patients and usage.

The pharmacy profession is self-regulating, governed by the Royal Pharmaceutical Society of Great Britain (RPSGB). Although all UK pharmacy degrees have a similar content approved by the RPSGB, King's has developed an integrated programme with contributions from other departments and external experts in pharmacy practice, industry and hospital pharmacy.

Research is a very strong activity in the department, covering a range of areas including molecular biology, natural product chemistry, medicinal chemistry, drug analysis, pharmaceuticals, biochemical toxicology and pharmacy practice. The department was rated excellent in the Quality Assurance Agency External Subject Review of teaching, and was in the top ten nationally for world-leading and internationally excellent research in the 2008 Research Assessment Exercise.

## Teaching style

King's MPharm programme has been designed to integrate the teaching of fundamental science with the practice of pharmacy, with interdisciplinary teaching from other departments and outside experts from industry and hospital pharmacies.

## Structure of programme and assessment

Some of the unique features are the professional modules that run throughout all four years of the degree, starting with a two-week overview of pharmacy as a profession. These modules also seek to develop your transferable skills from the outset.

The first-year continues with two-semester modules which cover the principles of pharmaceutical science and practice.

Years two and three form a four-semester theme of Pharmacy and Therapeutics. The aim is to provide integrated teaching across the pharmaceutical and scientific disciplines, with six therapeutic themes (Endocrine System & Cancer, Nervous System, Respiratory & Musculoskeletal Systems, Infection & Pharmaceutical Microbiology, Cardiovascular & Renal Systems, Gastrointestinal System & Skin), two non-therapeutic modules (Formulation & Analysis of Drugs and Medicines Discovery

& Development), which train students in the disciplines of pharmaceuticals, analysis and medicine design, and two professional modules which include law and ethics, all fundamental to the profession of pharmacy.

In the final year, modules are arranged around the theme of Pharmacy into Practice. You may choose from a range of specialist elective modules (eg Chemical Mediators & Disease, Plants & Pharmacy, Drug Delivery, Drug Toxicity, Science of Dosage Form Design, Drug Development from Natural Sources, Medicinal Chemistry, Drug Metabolism), and you must complete a research project and the Preparation for Practice module.

Successful students are awarded the MPharm degree which allows you to apply for a pre-registration place. You must complete a four-year degree and successfully pass the pre-registration training before you can register and practise as a pharmacist in the UK.

## Location and facilities

The Department of Pharmacy is located on one floor of the purpose-designed Franklin-Wilkins Building at the Waterloo Campus, which includes an extensive library, easy computer access and the Olympic testing laboratory. King's also incorporates three major teaching hospitals (Guy's, King's and St Thomas'), providing a unique training resource for our students.

## Selection procedure

We are looking for students with a firm commitment both to study and the pharmacy profession. Work experience is preferred but not essential. Applicants may be interviewed and interviews take place throughout the year from December to April. Students offered a place are invited to visit the department between January and March to an open day to see our facilities and meet current staff and MPharm students.

## Career prospects and graduate destinations

Successful completion of the MPharm degree allows the student to apply for entry to a 12-month pre-registration training period in community, hospital or industrial settings or a combination of these. At the end of this recognised training period you will need to pass a professional competency examination under the auspices of the RPSGB, prior to registration as a pharmacist.

The vocational nature of the degree combined with the permanent demand for qualified healthcare professionals both in the UK and abroad, means that there is nearly full graduate employment for

all MPharm graduates. The career and salary prospects are attractive, as are the opportunities for part-time and locum work.

Almost all pharmacy graduates undertake the year's pre-registration training; the majority in community practice (60 per cent) or hospitals (about 20 per cent), with the remainder employed in industry or graduate studies. There are opportunities at King's and other academic institutions to continue your studies at graduate level, if you are interested in a career in research.

## Degree programme

### SINGLE HONOURS

#### Pharmacy MPharm

**UCAS Code** B230

**Study mode** Full time

**Duration** Four years

**Location** Waterloo Campus

**Entry requirements** See box

All UK pharmacy degrees are approved by the RPSGB, and have a similar content: the study of chemical structures and natural products of medicinal value, the development of dosage forms, safety testing of the product, production, quality control, distribution of drugs to patients and usage. Our MPharm degree integrates the teaching of fundamental science with the practice of pharmacy, plus interdisciplinary teaching from other departments and outside experts in industry, community and hospitals.

**Year one** An initial two-week Pharmacy Orientation module plus four modules: Biochemical Basis of Therapeutics; Pharmacy Practice & Biopharmacy; Physical Pharmaceutics; Chemistry of Drugs.

**Year two** Modules run over four semesters across second and third years: Formulation & Analysis of Drugs; The Nervous System; Cardiovascular & Renal Systems; Respiratory & Musculoskeletal Systems; Professional Skills.

**Year three** Six therapeutic, two analysis and design, and two professional modules: Infections & Pharmaceutical Microbiology; Medicines Discovery & Development; Endocrine System & Cancer; Gastrointestinal Systems & Skin; Professional Pharmacy.

**Year four** Pharmacy into Practice theme. You will undertake a Preparation for Practice module, a research project and two options.

### ENTRY REQUIREMENTS

#### UCAS CODE

B230

#### 3 A-LEVELS AND 1 AS-LEVEL

ABB

#### A/AS-LEVEL COMPULSORY SUBJECTS

GCSE requirements: a minimum of five GCSE passes including English Language, Maths, Chemistry and Biology all at grade B (or Double Science at grade B). Must include Chemistry at A-level and either Maths, Biology or Physics plus one further A-level subject. AS level Maths at grade B, if not A-level, is preferred but not essential. If A-levels are studied for more than two years then a higher offer may be made. Candidates retaking A-levels will be given a higher offer.

#### ACCESS

Access to Science (or similar) Diploma with the maximum award of 60 credits overall and 45 at level three. Supplementary information and achievement eg percentage mark/scores for certain credits/subjects will be required

#### SCOTTISH HIGHERS AND ADVANCED HIGHERS

AABBB at Highers including Chemistry, Biology and Maths

#### IRISH LEAVING CERTIFICATE

A1 A1 B1 B1 B2 B2 at Higher level Including Chemistry, Biology and Maths

#### INTERNATIONAL BACCALAUREATE

34 points overall including 6,5,5 at HL with Chemistry at HL6

#### USA: ADVANCED PLACEMENT TESTS (TWO SEMESTER ONLY)

Three AP subjects with 544 in Chemistry, Biology and Maths

#### APTITUDE TEST

No test required

More information including requirements for 36 other countries can be found on our website [www.kcl.ac.uk/ugp](http://www.kcl.ac.uk/ugp)

