

The University of
Nottingham



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Pharmacy
Undergraduate study 2016

www.nottingham.ac.uk/pharmacy

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Front cover image:
Students act out a potential scenario in the teaching pharmacy.

Welcome to the School of Pharmacy

I am delighted that you are considering studying pharmacy at The University of Nottingham. I have worked here for almost 25 years and am very proud of our school and its ability to adapt and lead the way in pharmacy education. As you will see from this brochure, we offer a modern, innovative and integrated course, supported by excellent staff and facilities with a first-class student community at its heart.

Pharmacy, like any career, should be entered into with the best possible preparation; and that is what we aim to provide. In an increasingly competitive market for quality employment our four- and five-year (with integrated pre-registration training) courses offer an unparalleled opportunity to experience a clinically focused, science-driven course, designed to equip you to be a future leader and healthcare professional.

Our aspirations are to be the very best in what we do, and to instill this value into our students. The school is friendly, welcoming and inclusive and will give you every opportunity to achieve your full potential as an undergraduate and future pharmacist. I look forward to welcoming you to Nottingham.

Professor Clive Roberts
Head of the School of Pharmacy

 **University of Nottingham**
School of Pharmacy

 **@UoN_Pharmacy**

Catching up between lectures in the School of Pharmacy Building.

Why study pharmacy at Nottingham?

Ask yourself what kind of future appeals to you. Do you want challenges, opportunities, a chance to excel? If the answer is 'yes', then pharmacy at Nottingham is for you. Established in 1925, the School of Pharmacy leads the UK in the training of future pharmacists and in undertaking world-changing research.

We are:

- consistently rated highly for overall satisfaction in the National Student Survey
- top School of Pharmacy in England in *The Guardian University Guide 2015*
- placed 8th in the QS World University Rankings 2014 for schools of pharmacy and pharmacology
- ranked 1st in the country for research power according to the latest Research Assessment Exercise
- the number one choice for graduate employers – in the latest Graduate Destination Survey, 97% of our pharmacy students were in employment or further education*

Innovative teaching

If you're thinking of studying pharmacy, there's nowhere like The University of Nottingham. Join our enthusiastic undergraduate community and you'll be joining one of the UK's most renowned, respected and popular pharmacy schools.

Our innovative MPharm course at Nottingham will equip you with the detailed scientific and clinical knowledge, technical ability, and personal and professional skills needed to become an excellent pharmacist.

Much of your learning will be case-based to

ensure that the scientific and professional elements are integrated from day one. Our course is distinctive in providing this integrated teaching across therapeutic themes or disease states. You will study in lectures, practical classes, small workshop/tutorial groups and also on placement, on an exciting, relevant and challenging programme that genuinely encourages engagement with the profession from the start.

Undertaking a research project in year three also gives our students the opportunity to make their own discoveries while working alongside academic staff renowned in their field both nationally and internationally.

Research excellence

Research is crucial to the pharmaceutical industry and our staff are at the leading edge of scientific and healthcare developments. In the latest Research Assessment Exercise we were ranked number 1 in the UK and 95% of the school's research was judged to be of international quality.

We have six research divisions within the school working across a range of areas, and their work will contribute significantly to your learning experience at Nottingham. It's exciting to think that as you undertake your training, ground-breaking research work may be taking place in the next laboratory.

* Known destinations of full-time home and EU first-degree graduates, 2012/13.

pre-registration training

In addition to our four-year MPharm degree, we offer an innovative new five-year MPharm course. This includes the pre-registration element of pharmacy training and enables students to graduate ready to apply for registration as a UK pharmacist. This ground-breaking programme means that our students are guaranteed UK pre-registration placements as part of their degree.

We expect that this course will particularly appeal to international students who wish to undertake

their pre-registration training in the UK while retaining their student status. Please see page 7 for more details.

Study abroad

We offer students the chance to apply to spend a semester or a year studying at our campus near Kuala Lumpur, Malaysia. For more information about studying abroad, please see page 17.



Student adding a colouring agent to a medicine in a lab practical.

Degree courses

Pharmacy	UCAS code	Duration	A levels	IB	Places
Single honours					
MPharm Master of Pharmacy	B230	4 years	AAB	34	160
MPharm Master of Pharmacy (with integrated pre-registration scheme)	B236	5 years	AAB	34	20

Master of Pharmacy

The Master of Pharmacy course at Nottingham is designed to equip you with the detailed scientific and clinical knowledge, technical ability, and personal and professional skills needed to become an excellent pharmacist.

Much of your learning will be case-based to ensure that the scientific and professional elements are integrated from day one. You will study in lectures, practical classes, small workshop and tutorial groups and on placement. There will also be opportunities to study alongside students in other healthcare disciplines; for example with trainee doctors, nurses, physiotherapists and dietitians.

Our course is distinctive in providing this integrated teaching across therapeutic themes or disease states, and within each module you will study elements of the following areas:

- Pharmacology and Therapeutics – looking at diseases and their symptoms, therapeutic classes and drug examples
- Biology and Physiology – including the anatomy and function of the body and cell biology
- Pharmaceutics – the science of making medicines
- Chemistry – including physical chemistry and analysis, synthesis and chemical mechanisms, pharmacokinetics and natural products
- Professionalism and Leadership – including personal development and law and ethics

- Pharmacy Practice – looking at the key sectors of community, hospital and industrial pharmacy as well as giving you an insight into less known areas of pharmacy practice

Placements are undertaken throughout the course to give you an insight into life as a pharmacist and help put your learning into context. See page 14 for more details.

Final year

The final year of the degree is devoted to ensuring our graduates have all of the skills they require to make them world leading pharmacists, through a series of integrated advanced modules that build on the excellent foundations laid in the first three years of the course. This includes our innovative, year-long Pharmacy Leadership & Management module which requires teams of students to run their own simulated pharmacy, encountering commercial, clinical and ethical scenarios and working within realistic time and financial pressures.

Accreditation

The four-year programme has full accreditation by the General Pharmaceutical Council (GPhC). For more information on the accreditation of UK pharmacy programmes, see www.pharmacyregulation.org

Master of Pharmacy (B230)			
Year one	Year two	Year three	Year four
Semester 1 (September to January) Transition to Higher Education and the Pharmacy Profession	Semester 1 (September to January) Drug, Medicine and Patient Integrated Modules	Semester 1 (September to January) Drug, Medicine and Patient Integrated Modules	Semester 1 (September to January) Advanced Studies in Clinical Pharmacy, Pharmacy Practice and Science
<ul style="list-style-type: none"> ▪ Being a Pharmacist ▪ Essential Skills for Pharmacists 	<ul style="list-style-type: none"> ▪ Gastrointestinal and Liver Disorders ▪ Asthma, Allergies and Immune Diseases ▪ Cardiovascular 	<ul style="list-style-type: none"> ▪ Viral and Parasitic Infections ▪ Central Nervous System Disorders ▪ Cancer 	<ul style="list-style-type: none"> ▪ Integrated Pharmaceutical and Patient Care 1 ▪ Advanced Drug Discovery ▪ Pharmacy Leadership and Management (full-year module)
Semester 2 (January to June) Drug, Medicine and Patient Integrated Modules	Semester 2 (January to June) Drug, Medicine and Patient Integrated Modules	Semester 2 (January to June) Research and Broadening Horizons	Semester 2 (January to June) Advanced Studies in Clinical Pharmacy, Pharmacy Practice and Science
<ul style="list-style-type: none"> ▪ Dyspepsia ▪ Bacterial and Fungal Infections 	<ul style="list-style-type: none"> ▪ Renal and Endocrine Diseases ▪ Sexual Health and Pregnancy ▪ Pain 	<ul style="list-style-type: none"> ▪ Research Methodology and Short Project ▪ Electives 	<ul style="list-style-type: none"> ▪ Future Medicines ▪ Integrated Pharmaceutical and Patient Care 2
Professional Competencies modules run throughout each year of the course.			

Please note: as we constantly review and update our courses, these modules are subject to change each year. For more detailed module information please visit the individual course listings at www.nottingham.ac.uk/ugstudy

Master of Pharmacy (with integrated pre-registration scheme)

Our innovative new five-year MPharm course includes the pre-registration element of pharmacy training, enabling you to graduate ready to apply for registration as a UK pharmacist.

This ground-breaking programme fully integrates scientific and clinical training, providing students with an education to allow them to stay at the cutting edge of the modern profession, guaranteeing our students a UK pre-registration placement as part of their degree. The school has developed close links with a number of pre-registration providers who will be working with us to deliver this comprehensive pharmacy training for our students.

Years one to three

For the first three years you will study alongside students on the four-year MPharm degree, following the same academic outline to equip you with the detailed scientific and clinical knowledge, technical ability, and personal and professional skills needed to become an excellent pharmacist.

Year four

The first semester of year four will be spent on a six-month pre-registration training placement (including some taught material delivered online and in person to enhance your learning experience), after which you return to the University to undertake semester two of year four of the MPharm.

Year five

In the first semester of year five you will continue with modules in advanced clinical pharmacy, leadership and management, and advanced drug discovery before completing the course with a final six-month pre-registration placement.

Additional placements are undertaken throughout the course to give you an insight into life as a pharmacist and help put your learning into context. See page 14 for more details.

We expect that this course will particularly appeal to international students who wish to undertake their pre-registration training in the UK while retaining their student status. You should note that the pre-registration element of the five-year programme is unsalaried and tuition fees will be payable to the University for each year of the course.

Accreditation

The University is working towards accreditation of this new degree by the General Pharmaceutical Council (GPhC). For more information on the accreditation of UK pharmacy programmes, see www.pharmacyregulation.org

Master of Pharmacy (with integrated pre-registration scheme) (B236)			
Year one	Year two	Year three	Year four
Semester 1 (September to January) Transition to Higher Education and the Pharmacy Profession <ul style="list-style-type: none"> ▪ Being a Pharmacist ▪ Essential Skills for Pharmacists 	Semester 1 (September to January) Drug, Medicine and Patient Integrated Modules <ul style="list-style-type: none"> ▪ Gastrointestinal and Liver Disorders ▪ Asthma, Allergies and Immune Diseases ▪ Cardiovascular 	Semester 1 (September to January) Drug, Medicine and Patient Integrated Modules <ul style="list-style-type: none"> ▪ Viral and Parasitic Infections ▪ Central Nervous System Disorders ▪ Cancer 	Semester 1 (August to January) 26-week Pre-Registration Placement
Semester 2 (January to June) Drug, Medicine and Patient Integrated Modules <ul style="list-style-type: none"> ▪ Dyspepsia ▪ Bacterial and Fungal Infections 	Semester 2 (January to June) Drug, Medicine and Patient Integrated Modules <ul style="list-style-type: none"> ▪ Renal and Endocrine Diseases ▪ Sexual Health and Pregnancy ▪ Pain 	Semester 2 (January to June) Research and Broadening Horizons <ul style="list-style-type: none"> ▪ Research Methodology and Short Project ▪ Electives 	Semester 2 (January to June) Advanced Studies in Clinical Pharmacy, Pharmacy Practice and Science <ul style="list-style-type: none"> ▪ Future Medicines ▪ Integrated Pharmaceutical and Patient Care (spring) ▪ Pharmacy Leadership and Management (spring)
Professional Competencies modules run throughout each year of the course.			
Year five			
Semester 1 (September to January) Advanced Studies in Clinical Pharmacy, Pharmacy Practice and Science <ul style="list-style-type: none"> ▪ Integrated Pharmaceutical and Patient Care (autumn) ▪ Pharmacy Leadership and Management (autumn) ▪ Advanced Drug Discovery 		Semester 2 (February to July) 26-week Pre-Registration Placement	

Please note: as we constantly review and update our courses, these modules are subject to change each year. For more detailed module information please visit the individual course listings at www.nottingham.ac.uk/ugstudy

How will I study?

Our innovative curriculum will keep you enthused and inspired while offering an unparalleled opportunity to develop your skills as a future leader and healthcare professional.

Teaching and learning

At Nottingham you'll experience an integrated range of teaching and learning styles, embracing both the traditional and cutting-edge developments in innovation and technology, delivered across a variety of sessions:

- Lectures, usually lasting 50 minutes, are the main method of conveying information to large groups
- Tutorials are discussion sessions undertaken on a one-to-one basis or in small groups with a member of staff
- Workshops are problem-solving sessions involving larger numbers of students than tutorials and often more than one member of staff
- Practical classes involve an academic member of staff supervising alongside postgraduate student demonstrators. As well as teaching practical skills, these classes reinforce the theory learnt in lectures and workshops.
- Placements in local community and hospital pharmacies, as well as visits to industry and other areas of pharmacy practice, give you an insight into life as a pharmacist and help you to put your learning into context. These placements begin in year one and run throughout the course.

Facilities

We provide innovative teaching aids, including a fully stocked model dispensing and practice pharmacy situated on University Park. This will allow you to carry out role-play exercises in a safe yet realistic environment, enabling you to develop your communications skills, learn how to respond to patients' symptoms and dispense prescriptions.

Additional teaching pharmacies are being completed for the start of the 2014 academic year, to enable students to further develop their skills in small groups.

Virtual learning environment

To support your learning, we provide a number of e-resources, including presentations and podcasts of lectures, online assessment and feedback.

Pastoral and academic support

We believe that a supportive environment is essential to student achievement, and both the school and University provide a wide range of academic and welfare services to enable you to perform at your very best. Student support is provided from the moment you accept a place with us and continues throughout the course.

Personal tutors

Every student is allocated a tutor to help with personal as well as academic issues. Your tutor is one of your first ports of call in the school if you have any problems or questions. They will take an interest in your personal and academic development and offer you help, encouragement and feedback on your performance on the course.

The school also has a dedicated student support officer, senior tutors, a disability officer and undergraduate administrators, who will also offer support with any problems that may arise, whether with your studies or non-academic problems.

Our Learning Community Forum provides a platform for student representatives to raise course issues directly with staff members.

Buddy Scheme

Students are able to join the 'Buddy Scheme' which brings together new and existing students for peer mentoring and support.

Library and computing services

At Nottingham, you will benefit from access to an extensive collection of printed and online library resources. In addition, you will have both on and off-campus access to a very wide range of databases, e-journals and ebooks, relevant both to your subject and any modules in other subjects.

Key Information Sets

Key Information Sets (KIS) are comparable sets of information about full or part-time undergraduate courses and are designed to meet the information needs of prospective students. All KIS data is published on the Unistats website: www.unistats.co.uk

For Nottingham's KIS data, please see individual course entries at: www.nottingham.ac.uk/ugstudy



Students checking online prescriptions in a first-year dispensing class.

Student on placement participating in pre-discharge medication counselling.



How will I be assessed?

Assessment methods

A variety of assessment methods are used during the MPharm to ensure that the learning outcomes for each module are met. Assessments include examinations (both paper-based and online), coursework (including essays, care plans and a research project), assessed practicals, lab reports, poster presentations and OSCEs (Objective Structured Clinical Examinations).

The teaching year

The teaching year is divided into two semesters. The first semester lasts for 14 weeks, with 12 weeks for teaching and revision and two weeks for assessment. The second semester follows the same pattern, but there is an additional two weeks at the end to complete the assessment process and to enable returning students to discuss their results with tutors and begin to plan the next session's work.

Although the teaching year is divided into two semesters for organisational purposes, this is fitted into the traditional pattern of three terms: one before Christmas; one between Christmas and Easter; and one after Easter.

Your degree classification

The weighting of each year of our courses is as follows:

B230 (four-year)

Year two: 20%
Year three: 40%
Year four: 40%

B236 (five-year)

Year two: 10%
Years three to five: 30% per year

The first year on both courses is a qualifying year, which means you must pass this year to progress to the second year, but your mark will not contribute to your degree classification.

“My favourite project so far has been completing patient care plans during hospital placements. I had the chance to visit three hospitals during my third year – it was a real eye opener and I enjoyed the real-life experience.”

Vivian Tan
Fourth-year pharmacy student

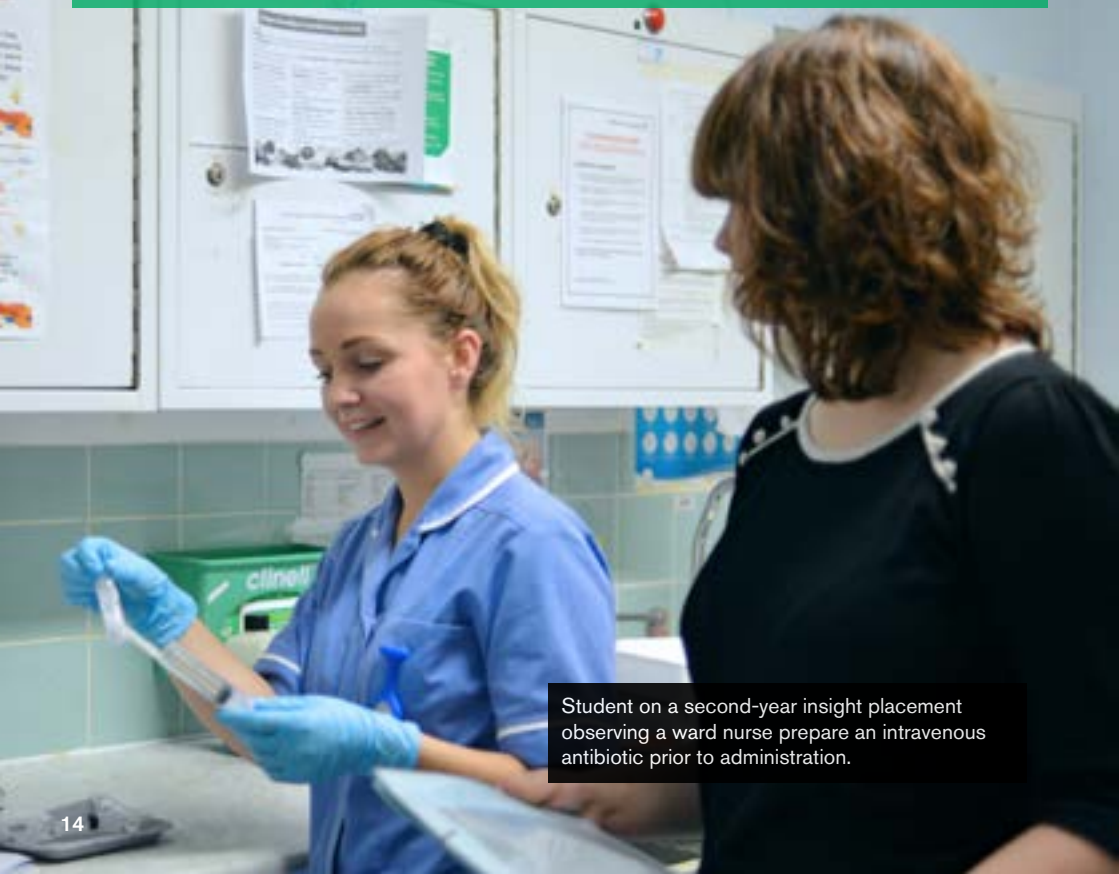
Placements

Throughout the course you will undertake placements in a range of healthcare settings. These placements will give you first-hand exposure to the practical, ethical, managerial and interpersonal aspects of professional practice in both community and hospital pharmacy settings.

Further placement opportunities provide 'insight' visits and a variety of interprofessional learning activities to enable you to gain an understanding of, and respect for, the role of other key healthcare professionals.

You will be issued with a placement handbook for each year of the course, which includes learning activities linked to topics being studied. The placements listed (see right) are a compulsory component of the course and you will also be encouraged to source additional placements/voluntary work during vacation periods.

Students on the five-year course will complete the pre-registration placement during years four and five of the course. These are known as 'foundation placements'.



Student on a second-year insight placement observing a ward nurse prepare an intravenous antibiotic prior to administration.

Master of Pharmacy (B230)

Year one	<ul style="list-style-type: none"> Two-and-a-half day community pharmacy placement: observational, structured activities linked to first-year modules Half-day hospital visit: pre-registration practitioner-led tour of key pharmacy areas Half-day nursing placement: ward- or clinic-based, observational placement with nursing student
Year two	<ul style="list-style-type: none"> Two-day community pharmacy placement: observational, structured activities linked to second-year modules Three half-day hospital placements: pharmacist-led and ward-based with opportunities for medication history-taking and review One-day 'insight' placement: based with different healthcare or atypical pharmacy setting
Pre-year three	<ul style="list-style-type: none"> Placement opportunities for 2+2 students to aid familiarisation with the UK health service
Year three	<ul style="list-style-type: none"> Enrichment week: talks and workshops from external pharmacists and healthcare professionals, focusing on practice and challenges in pharmacy, health and social care Two half-day hospital placements: shadowing pharmacists to learn about a variety of roles Half-day interprofessional placement: ward- or clinic-based shadowing medical or other healthcare student
Year four	<ul style="list-style-type: none"> Various opportunities for engagement with patients, members of the public and other healthcare professionals

Master of Pharmacy (with integrated pre-registration foundation placements) (B236)

Year one to three	See Master of Pharmacy (B230) programme above.
Year four	<ul style="list-style-type: none"> Various opportunities for engagement with patients, members of the public and other healthcare professionals Six-month foundation placement
Year five	<ul style="list-style-type: none"> Six-month foundation placement

Study abroad

The school delivers the first two years of the MPharm in Malaysia as well as in the UK. You will have the exciting opportunity to apply to spend all or part of your second year studying in Malaysia or complete your third-year research project there.

One of the most appealing aspects of these study abroad opportunities is that you will be based at our very own campus, studying modules identical to those in Nottingham. It means you will have the chance to immerse yourself in the Malaysian culture and lifestyle without taking time out of your degree.

The University's self-contained Malaysia Campus is on a beautiful 125-acre site in Semenyih, close to Kuala Lumpur. It is a full and integral part of The University of Nottingham, offering the Nottingham experience in a Malaysian setting. All teaching at the Malaysia Campus is carried out in English by staff either seconded from Nottingham or appointed internationally to University of Nottingham standards.

Students can also apply to undertake their research project with an external provider overseas – recent destinations have included Australia, Canada, Hong Kong and New Zealand.

For further information on The University of Nottingham Malaysia Campus, please visit www.nottingham.edu.my

“I would recommend to anybody to spend their second year in Malaysia – I have gained many life skills and have, without doubt, grown as a person. Every other weekend a small group of us managed to find time out of our busy schedules to travel. This is an opportunity of a lifetime not to be missed!”

Hannah Wilson
Fourth-year pharmacy student

Students at The University of Nottingham Malaysia Campus.

Career and employment prospects

The University of Nottingham is consistently named as one of the most targeted universities by Britain's leading graduate employers*. Pharmacists are experts in medicines and how they work, which combined with their professional skills, opens up a number of career opportunities to them. They share a common commitment to improving people's lives through medicines and care and make a real contribution to the nation's health.

Career opportunities are developing fast and pharmacists today can be found in many different settings including high-street pharmacies, hospital wards, GPs' surgeries, walk-in centres, industry and universities.

Pre-registration

To become a UK-registered pharmacist after the four-year MPharm, you must successfully complete a pre-registration training period after graduation. This is a year of salaried training, at the end of which you will sit the General Pharmaceutical Council's exam to become a qualified pharmacist. More information can be found at www.pharmacyregulation.org

The school hosts a pre-registration fair every year which is attended by potential employers from within all sectors, so there's lots of support available to help you find your ideal pre-registration place. The vast majority of our students have places arranged well before graduation.

Community pharmacy

The traditional dispensing and advisory role associated with community pharmacy is evolving and pharmacists are playing a greater role in patient care. Some community pharmacists now have prescribing roles and are involved in services such as weight-management counselling.

Alongside patient care, a career in community pharmacy offers the opportunity to develop financial and managerial skills for business, whether self-employed or working within a larger company.

Hospital pharmacy

Hospital pharmacists work as part of a wider inter-professional healthcare team such as doctors and nurses, offering their expertise in selecting treatments for managing patient care. The role of hospital pharmacists is also developing, as technological advancements enable more time to work with patients on the wards. Opportunities for career development are provided both through management and clinical specialism.

Industrial pharmacy

If the research and development of new drugs interests you, industrial pharmacy may provide you with the ideal career. Industrial pharmacists work alongside scientists specialising in other areas to discover safe and effective drugs.

Other opportunities

There are a number of other opportunities available to pharmacists, including academia, veterinary pharmacy, the Royal Army Medical Corps, the prison service and regulatory pharmacy.

Average starting salary

In 2013, 99% of first-degree graduates in the school/department who were available for employment had secured work or further study within six months of graduation. The average starting salary was £20,191 with the highest being £26,000*.

Recent graduates

Recent graduates include Christopher Parry – Hospital Pharmacist; Roshni Shah – Community Pharmacist; Sze Shen Wong – Industrial PhD student.

Postgraduate study

The School of Pharmacy offers suitably qualified graduates excellent opportunities to study for MRes, MPhil or PhD degrees in a wide range of research areas.

Becoming a postgraduate student within our school means joining a thriving research community exploring world-changing issues at the forefront of science and healthcare. It also means developing skills prized by academia and the biotechnology, healthcare and pharmaceutical industries.

Students explore a diverse and fascinating range of subjects and there is every opportunity to tailor your studies and focus on an area of interest.

Careers and Employability Service


Our Careers and Employability Service, which is based on University Park Campus, offers an extensive range of careers-oriented services, including CV-writing sessions, interview advice, presentations by major employers and general career advice. As a University of Nottingham graduate, you will receive lifelong support from the service. This means that you can ask a careers adviser to look over your job application by email or Skype, or in person, and you can also access a database of graduate vacancies. For more information see www.nottingham.ac.uk/careers

The Nottingham Advantage Award

The University's Advantage Award is a programme of activities developed to recognise and reward extracurricular responsibilities. It allows you to gain recognition for participating in a wide range of activities accredited by the University and delivered by top graduate employers, professional services and members of staff of the University. It also shows employers that you have gone above and beyond your degree and gained valuable transferable skills. For further information, please visit www.nottingham.ac.uk/careers/advantage

*The Graduate Market in 2013, 2014 and 2015, High Fliers Research

**Known destinations of full-time home and EU first-degree graduates, 2012/13.



Students learn how to perform blood glucose screening tests in year two.

“I really enjoyed chemistry, biology and all those sorts of subjects at school. I think pharmacy brings it all together in a clinical environment. It's very hands-on from the first day – you have placements, lots of dispensing classes, and lab classes. There's a lot of varied work throughout the degree.”

Vanessa Eustace/MPharm Pharmacy



Find out more about Vanessa's experience at www.nottingham.ac.uk/ugvideos/vanessa-eustace

Vanessa is practising her professional skills in the school's teaching pharmacy.

Your student experience

Take a look at our accommodation video for a taster of what to expect at Nottingham:

www.nottingham.ac.uk/go/yourhome



University Park Campus is a beautiful green campus with period buildings and a boating lake.

You've read lots about the degree programme you're interested in, now it's time to explore life outside the lecture theatre. There's so much for you to get involved in and explore at the University and around the city. We are proud to be one of the leading universities for student experience in the UK*, which will ensure that you have a university experience you'll never forget.

Your University of Nottingham – at home and around the world

We are proud of our stunning campuses and are continually investing in our grounds, buildings and amenities to ensure that you only have the best surroundings in which to live and study. Our main UK campuses have a mix of state-of-the-art facilities, including sports centres, places to eat and excellent learning facilities on every campus.

We've made getting from campus to campus as easy as possible and students can benefit from our free inter-campus Hopper Bus, so you're never far away from the striking architecture and innovative technology of Jubilee Campus, the rolling parkland and period buildings at University Park, or the cutting-edge features of Sutton Bonington.

The University of Nottingham is Britain's global university with campuses in the UK, China and Malaysia. We also have links with more than 300 universities in over 40 countries, adding a truly global flavour to your degree and giving you the chance to explore the world. Find out more: www.nottingham.ac.uk/about/campuses

Your new home from home

At Nottingham we offer a range of different accommodation options, rooms are available as single or shared, en suite or shared bathroom, all the way through to studio flats, and vary from self-catered to fully catered (19 meals per week). We also offer a guarantee of University accommodation for one year to all new full-time undergraduate students, subject to the following conditions: you firmly accept your course place at Nottingham, accept your offer of accommodation by the deadline given in your offer letter, and have an unconditional status no later than 31 August in the year you intend to begin your studies.

If you are a new, full-time undergraduate student who is classified as international for fee purposes, this guarantee applies for three years**. For more information, including a breakdown of pricing, see www.nottingham.ac.uk/accommodation

Your support network

Throughout your university journey there will be numerous people on hand to support you, including tutors and dedicated staff who will be able to advise you on various aspects of life as a student. We have Student Services Centres on all three of our UK campuses, which provide a range of support, information and specialist services to enhance your student experience. This support includes:

Academic Support – can provide practical advice on areas of academic study; the service also provides specialist academic support for students with dyslexia, dyspraxia and other specific learning difficulties.

- Disability Support – coordinates support and access arrangements for students with a disability or long-term medical condition.
- Financial Support – provides information on the sources of finance available from government agencies and the University itself, and gives advice about financial matters.
- Student Services – also advise on issues ranging from childcare, counselling and health to international student support, chaplaincy and faith support, as well as offering advice on paying your tuition and accommodation fees.

Whatever you may need support with, they will either be able to help or point you in the direction of someone who can. Find out more: www.nottingham.ac.uk/student-services

* Times Higher Education Student Experience Survey, 2015.

** Providing you submit your returners' application in line with the requirements of the accommodation providers.

Getting involved in your Students' Union

As soon as you start at The University of Nottingham, you are automatically enrolled as a member of our Students' Union, which is considered to be one of the best in the country. There are hundreds of activities that you could be part of, providing you with the perfect opportunity to take up a new hobby or pursue existing interests. Choose from over 200 student-run societies, covering all interests and abilities, as well as local and national volunteering projects, to which you can commit as much or as little time as you wish.

Our Students' Union is home to a number of award-winning student-run media groups, which give you the chance to gain practical work experience both behind the scenes or centre stage as a presenter, actor or journalist. The Nottingham New Theatre, Impact magazine, Nottingham Student Television (NSTV) and University Radio Nottingham (URN) have all been recognised as the best in their field, winning a clutch of awards for outstanding achievements.

However you decide to become involved in the Union, you can be sure you will make new friends and learn new skills, all while having a lot of fun! Find out more: www.su.nottingham.ac.uk

Sports

We offer sport at all levels and an excellent all-inclusive student membership offer, so whether you enjoy sport as a hobby or are an elite athlete we will have just what you need. We have over 70 sports clubs, which means we have the 2nd highest number of sports clubs of any UK university. If you're not interested in joining a team but want to stay fit, we have sports centres on all of our main UK campuses.

Find out more: www.nottingham.ac.uk/sport

Exploring your new city

With Nottingham city centre just a 10-minute bus ride away from University Park Campus, our students are always close to the action. Buses run through campus regularly and many run late-night services too, which is handy if you're a night owl.

For music lovers, you can take your pick from the world-famous Rock City, Capital FM Arena or one of the smaller gig venues for a more intimate live show. Nottingham is rich in performance venues, with comedy clubs and theatres catering for lovers of drama, musicals, ballet and panto. We are very proud of our sporting heritage, and with football clubs Nottingham Forest and Notts County in the city, as well as Trent Bridge cricket ground and the National Ice Centre on your doorstep, you might just become a sports fan if you're not one already.

History and culture can be found in all corners of the city, with Nottingham Castle, Nottingham Contemporary arts centre, the Galleries of Justice Museum, Nottingham Lakeside Arts – the University's public arts centre located on our University Park Campus, art house cinemas and three of the world's oldest pubs all providing points of interest. If you enjoy shopping, Nottingham is perfect for you; independent boutiques and vintage shops in the bohemian area of Hockley mix with high street names in our large shopping centres to make Nottingham a veritable shopping haven.

Find out more: www.nottingham.ac.uk/nottinghamlife

Download our city guide: www.nottingham.ac.uk/go/cityguide

Nottingham city centre is always buzzing with people and interesting sights.



Entry requirements

Entry requirements for both the four-year (B230) and five-year (B236) MPharm courses are as follows:

GCSEs, AS and A levels

GCSEs

- Minimum of grade A in maths (or grade B at AS level)
- Minimum of grade B in English

AS and A levels

- Minimum of AAB at A level including chemistry, another science A level (maths, biology or physics) and a third subject (excluding general studies and critical thinking)
- Applicants may take additional subjects (for example, a fourth A level) but this will not increase the chances of being offered a place and should not be allowed to jeopardise your chances of achieving the required grades

Alternative qualifications

Scottish

- Advanced Highers are equivalent to A levels and Highers are equivalent to AS levels – you will need to meet our A level entry requirements

Irish

- Five subjects at Higher Level including chemistry and a second science from biology, maths or physics; our typical offer is AAABB

Welsh

- Advanced Diploma with a pass in the Core and A level grades AA/AB in chemistry plus biology, physics or maths

International Baccalaureate

- Minimum of grades 6, 6, 5 at higher level including chemistry plus one from biology, physics or maths plus three further subjects at standard level. Maths with further maths counts as one higher and one standard. You'll also need bonus points to bring your diploma to a minimum of 34 points.

Other

- We are able to consider at least a 2:1 degree (BSc) in a chemistry-related subject with a minimum of CCC in A levels
- BTEC National Diploma is accepted in key subjects such as applied chemistry or pharmaceutical sciences; DDD with minimum grade B in A level chemistry, or DDM with minimum grade A in A level chemistry
- Science foundation courses are varied so the school will consider them on an individual basis. Please note that we do not accept any Access courses.
- All international qualifications will need to be equivalent to our A level and GCSE requirements

Please contact the school directly for any qualifications not listed here, using the contact details on page 33.

Resits

Please be aware that if you have re-sat A levels (or equivalent) then our standard offer will be AAA.

English language requirements

- IELTS 7.0 (no less than 6.0 in any element)
For more information and a list of the alternative English language requirements we accept, please see www.nottingham.ac.uk/go/alternativerequirements
- TOEFL iBT 87 (no less than 20 in speaking and 19 in all other elements)
- IGCSE Grade B in English

Students conducting a titration in one of the school's labs.



Applying for a place

We are looking for students who have the ability and motivation to benefit from our courses, and who will make a valued contribution to the department and the University. Candidates for full-time admission are considered on the basis of their Universities and Colleges Admissions Service (UCAS) form. For more information on how to make your application stand out, have a look at our online prospectus: www.nottingham.ac.uk/ugstudy/applying

Application process

All applications for an undergraduate place to study at The University of Nottingham (including applications by overseas students) must be made through UCAS. Applications should be made online at www.ucas.com. Candidates will be notified of decisions through UCAS Track at track.ucas.com

Required subjects

Please see page 26 for details of our entry requirements for both A level and alternative qualifications. For any qualifications not listed, please contact the school directly using the contact details on page 34.

Selection procedure

Invitation to interview will be based on the information given in your UCAS form. Our interview process is designed to assess the core competencies and behaviours that we consider vital to success both on the course, and for the profession.

It gives all applicants the chance to put across their knowledge and skills in a range of areas, including a group assessment to see how individual's work in a team situation.

The interview day also includes a tour of the school and the opportunity to meet some of our current undergraduates to ask any questions you may have. Further details on the interview process will be provided to selected candidates. For more details about our admissions process please visit www.nottingham.ac.uk/pharmacy/prospectivestudents/undergraduates

Your personal statement

This is the section of your UCAS form that tells us most about you, and you should make the best use of it. Be as specific and detailed as you can – we would like to see that you are a student who can work hard, be self-motivating and make the best possible use of the opportunities this course might have to offer you.

Please note that we can only consider applications where the first choice is clearly pharmacy. Please bear this in mind when completing the personal statement section of the UCAS application.

Although academic ability is important, we also look for personal qualities appropriate to a career in pharmacy. In particular we expect that your interests will extend beyond academic study and we will give careful consideration to the range and extent of extracurricular activities. You should show evidence of responsibility and social awareness – either at school, through community activities or self-development. An understanding and insight into the nature of a pharmacy career is expected and will be explored further during the interview.

Work experience within a pharmacy-related environment is not essential but is encouraged as it will provide you with a more in-depth knowledge of the profession.

Flexible admissions policy

In recognition of our applicants' varied experience and educational pathways, we employ a flexible admissions policy. If we judge that your situation has adversely affected your achievement, then we will consider this when assessing your academic potential. If you wish to mention information about your experiences in your personal statement, then you should ask the teacher or tutor writing your reference to confirm what you have written. We may ask for further evidence and may consider a range of factors. For more information, please see www.nottingham.ac.uk/go/admissionspolicies

Mature applicants

We encourage applications from mature students (which means all those aged 21 or over when the course begins). You should apply in the normal way through UCAS (unless you want to study part-time, in which case you should apply directly to the department). While we accept a range of qualifications, you should check our specific requirements on UCAS course entry profiles. If in doubt, please contact the admissions tutor, who will be happy to answer any specific queries you have about applying as a mature student.

We normally invite mature applicants in whom we are interested to come for an interview, where we will look for evidence of your ability to study at a high academic level and of commitment to the subject. For more information about being a mature student, please see www.nottingham.ac.uk/mature

International applicants

We welcome applications from international students and have students from many parts of the world studying with us at undergraduate and postgraduate level.

All international candidates for undergraduate courses should apply through UCAS. The University's International Office offers guidance and advice on matters such as visa and immigration regulations, working and living in the UK, entry requirements and preparing for coming to Nottingham – and arranges a Welcome Programme for new international students each September.

If you would like to visit the University and are unable to attend an open day, the International Office will be happy to arrange an individual visit for you. For further information please visit www.nottingham.ac.uk/studywithus/international-applicants

Preparing to study in English – academic English preparation and support

The University of Nottingham Centre for English Language Education (CELE) offers high quality academic English and study skills (pre-sessional) programmes to prepare you to study your degree in English. Our programmes are designed to give international students excellent preparation for their academic studies and are taught by experienced, professional tutors.

CELE provides a range of programmes throughout the year, including five-week subject-specific courses (in some subjects) and a four-week course in September for students with unconditional offers, with a focus on academic study skills.

You can continue to benefit from academic English support with free classes and one-to-one consultations throughout your study (in-sessional programmes). For more information about CELE, please visit www.nottingham.ac.uk/cele

Deferred entry

Applicants who wish to defer their entry by a year will not be at a disadvantage. Please tell us something about your plans for your gap year in your UCAS personal statement.

Equal opportunities policy

The University aims to create the conditions whereby students and staff are treated solely on the basis of their merits, abilities and potential, regardless of gender, race, colour, nationality, ethnic or national origin, age, socio-economic background, disability, religious or political beliefs, trade union membership, family circumstances, sexual orientation or other irrelevant distinction.

For tips and advice at every step of your application journey, visit our undergraduate applicants' area on the website: www.nottingham.ac.uk/ugapplicants

Student checking drugs in the dispensary.

Fitness to practise

Code of Conduct

The MPharm course is one of the registered healthcare professions and carries both privileges and responsibilities. We will select students who we believe will demonstrate appropriate behaviours and attitudes from the start, and these skills will be further developed through our curriculum.

All students will be required to abide by the Student Code of Conduct of our accrediting body, the General Pharmaceutical Council (GPhC), from the first day of the course to the day they graduate. This is based on the same seven principles as those in the GPhC's standards of conduct, ethics and performance and explains how the principles apply as a student. For further information please see www.pharmacyregulation.org/education/pharmacist/student-code-of-conduct

Criminal offences and other related matters

It is a requirement of our accrediting body, the GPhC, that all students entering the MPharm course must undergo a Disclosure Barring Service (DBS) check due to the nature of the course and profession. You must advise us if you have received any convictions, warnings or reprimands. The University undertakes not to discriminate unfairly against any subject of a disclosure on the basis of a criminal conviction or other information received.

The DBS check will be applied for once your A level results have been received and you have been confirmed as a student on the MPharm course at Nottingham. The cost of the DBS check is currently £49 and will be charged to your University account.

Health screening

All applicants offered a place on the course are required to complete a Health Declaration Form; this information will be subject to an occupational health screening confirming you are fit to train and meet the required standards on graduation by the GPhC.

In most cases, health conditions and/or disabilities will not raise fitness to practise concerns. The school and University are able to put a number of reasonable adjustments in place to ensure that students with a disability or health condition, even if substantial, are supported appropriately on the course. There are also strong mechanisms for students to access additional support. If you have a condition which would make it impossible for you to work safely with patients and clients or to acquire the skills necessary to complete training, even with adjustments and support, then it may not be possible to admit you onto the MPharm course.

All students will be required to be immunised against measles, rubella and tuberculosis, and to demonstrate immunity to chicken pox. Further information about this requirement will be sent to any applicant who is successful in being made an offer on the course.

The school has a designated Disability Liaison Officer. Please email rebecca.carter@nottingham.ac.uk for further advice and support about disability, health, fitness to practise and confidentiality issues.

Frequently asked questions

How much are the fees?

Like many universities in England, Nottingham charges full-time UK and EU students an annual tuition fee of £9,000. However, you will not have to pay your fees while studying – the government will lend eligible students the money, which you will start to pay back once you have left university and are earning at least £21,000. For more information, please see www.nottingham.ac.uk/fees

Fees for students from outside the EU vary from subject to subject. For more information, please see the 'New international students' section on www.nottingham.ac.uk/fees

What bursaries are available?

Although bursary figures for 2016/17 are yet to be finalised, the University will continue to offer a generous package of bursary support to students from lower income households. These are in addition to any support you may receive from the government. For more information please see www.nottingham.ac.uk/financialsupport or take a look at the funding tab on the relevant course entry in our online prospectus: www.nottingham.ac.uk/ugstudy

If you are an international applicant (outside of the EU), please see the 'New international students' section on www.nottingham.ac.uk/fees

What support do you offer for students with a disability or dyslexia?

The school, like the University, is committed to promoting access for students who have a disability, dyslexia or a long-term medical condition. Services provided by the University aim to enable students to fulfil the inherent requirements of the course as independently as possible.

The University's Disability Statement, which lists services, facilities and opportunities available throughout the University can be viewed at www.nottingham.ac.uk/disability

What support is available for students with children?

We are committed to promoting access for students who have a disability, dyslexia or a long-term medical condition. Services provided by the University aim to enable students to fulfil the inherent requirements of the course as independently as possible.

The University's Disability Statement, which lists services, facilities and opportunities available throughout the University can be viewed at www.nottingham.ac.uk/disability

Visit our website for more frequently asked questions: www.nottingham.ac.uk/faqs

To ask course-specific questions contact: pharmacy-enquiries@nottingham.ac.uk

There are plenty of open spaces on campus for outdoor study.



Visiting and contacting us

Open days

If you're considering applying to The University of Nottingham we recommend that you try to attend one of the University-wide open days, which are held in June and September each year and attract around 30,000 visitors. Find out more:

www.nottingham.ac.uk/opendays

Mini open days

Mini open days are much smaller than the main open days but offer the same opportunities to attend various talks and tours as well as speak to current students and academics. Find out more www.nottingham.ac.uk/go/miniopendays or call +44 (0)115 951 5559.

Virtual open day

If you can't attend one of our open days in person, or would like to explore our campuses before visiting, take a look at our virtual open day: www.nottingham.ac.uk/virtualnottingham

Other visits

If you wish to make an informal visit to the University prior to applying here, you are welcome to do so, but you should contact us in advance if you wish to visit the school or speak to an admissions tutor, and we will do our best to oblige.

This publication is available in alternative formats:

t: +44 (0)115 951 5559

The University of Nottingham has made every effort to ensure that the information in this brochure was accurate when published. Please note, however, that the nature of the content means that it is subject to change from time to time, and you should therefore consider the information to be guiding rather than definitive. You should check the University's website for any updates before you decide to accept a place on a course.

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e: pharmacy-enquiries@nottingham.ac.uk

w: www.nottingham.ac.uk/pharmacy

For international student enquiries, please contact:

International Office

t: +44 (0)115 951 5247

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e: international-office@nottingham.ac.uk

w: www.nottingham.ac.uk/international

You can also connect with fellow applicants and current students on our applicants' Facebook and Twitter pages:



UoNApplicants



@UoNApplicants

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