

medway school of pharmacy



Why study with us?

The Medway School of Pharmacy is a unique collaboration between the University of Greenwich and the University of Kent.

The school is located at the heart of a multi-university campus development at Chatham Maritime in Medway, Kent. Investment in extensive new laboratories and research facilities has seen the campus develop into a major higher education centre.

Currently, there are approximately 650 undergraduates and 150 postgraduates studying at the school.

We are ranked in the top 10 in the country for pharmacy and pharmacology according to the Guardian University Guide 2019. According to the National Student Survey 2018, Medway School of Pharmacy scored 86% overall student satisfaction. Importantly, 99.6% of our students are in employment or further education within 6 months of graduation!



Student care and support is integral to our mission “to produce, through innovative teaching and research delivered in a supportive and caring environment, high quality professional graduates committed to lifelong learning”.

You will benefit from a dedicated and experienced team of staff comprising distinguished research-active academic scientists working together with administrative and

technical personnel. Research takes place alongside teaching under the guidance of our Director of Research. We have made a significant investment in facilities and equipment, and our research was rated as excellent in REF 2014. We will continue to evolve a strong interdisciplinary approach to research and aim to enhance our internationally recognized reputation in identified research areas.



Master of Pharmacy

MPharm

MPharm with Foundation Year

Why study this programme?

MPharm

The four-year MPharm programme provides pharmacy education of excellent quality and focuses on training future pharmacists who will promote safe and effective use of medicines, ensuring patient and public safety at all times. Our graduates will demonstrate intellectual creativity and curiosity in their professional practice. They will also meet the requirements for accreditation by the GPhC on successful completion of the programme.

MPharm with Foundation Year

Are you interested in studying MPharm programme but don't meet the entry criteria to enter directly? The MPharm with Foundation Year is a 5 year course, specifically designed for students who haven't taken the necessary A level subjects or for students who have been disadvantaged during their secondary education. The MPharm with Foundation Year includes a year of foundational study and leads directly into the MPharm course.

The MPharm curriculum is outcomes-focused and it was designed to prepare students for their future professional practice. Teaching covers basic and applied science and clinical and professional practice, all in the context of patient care. Core themes of biological sciences, chemistry, drug delivery, and professional practice are taught through integrated courses based around body systems, including the brain and psychiatry, heart and circulatory system, and endocrine system.

By using these body systems, we break down barriers between the core themes, enabling you to learn



Master of Pharmacy (cont)

more effectively. Your studies will be supported by practice related learning through placements, as well as simulation-based learning and additional practice experience provided in-house.

The school obtained reaccreditation from the General Pharmaceutical Council in 2015 and is recognised as an established school of pharmacy.

Graduates are required to undertake and pass a pre-registration examination before being permitted to register as pharmacists in Great Britain. In 2018, 88% of our graduates passed the pre-registration examination in the first sitting, which ranked us as in the top 3 best schools in the South East England, East Anglia and London.

What will you study?

Years 0, 1, 2 and 3 are taught at undergraduate level; Year 4 is taught at Master level.

Year 0: Only for MPharm with Foundation Year

- Essentials in Chemistry (15 credits)
- Essentials in Biology (15 credits)
- Academic Study Skills for University (15 credits)
- Numeracy for pharmacy and biomedical sciences (15 credits)
- Introduction to Pharmacy Skills (30 credits)
- Introduction to Laboratory Practice (15 credits)
- Introduction to Pharmacology (15 credits)

Year 1: Introductory Principles

- Medicinal Products: Chemistry and Pharmaceutics for Pharmacy (30 credits)
- Molecules, Cells and Body Systems: Cell Biology and Biochemistry (30 credits)
- Molecules, Cells and Body Systems: Physiology and Pharmacology (30 credits)
- Introduction to Pharmacy: Professional Skills, Law and Ethics (30 credits)

Year 2: Medicines and Disease

- Heart, Renal, Endocrine and Nutrition (40 credits)
- Cancer, Infection, Joints, Lungs, Skin (40 credits)
- Brain, Psychiatry and Eyes (40 credits)

Year 3: Integrated Therapeutics

- Heart, Renal, Endocrine and Nutrition (40 credits)
- Cancer, Infection, Joints, Lungs, Skin (40 credits)
- Brain, Psychiatry and Eyes (40 credits)

Year 4: Research and Application

- Sustained Research Project (40 credits)
- Preparing for Practice (60 credits)
- Advanced Science Elective (20 credits)

One option from a range including: Advanced Neuroscience; Advanced Cell and Molecular Biology; Advanced Therapeutic Agents; Advanced Drug Delivery Technologies



Career opportunities

After successful completion of the programme, you will receive an MPharm degree.

In order to register with the General Pharmaceutical Council and practise as a qualified pharmacist in the UK, you will be required to undertake a period of additional training and study. This includes a preregistration year, where you will further develop the skills from your degree as a paid employee in a professional environment.

Teaching and assessment

Each course includes lectures, seminars, laboratory work, small group work, practice based activities and assignments. There are also a number of placements throughout the programme, so you will benefit from both academic and practice-related environments.

The degree culminates in a sustained research project which constitutes one third of the final year of the programme. Practice placements are an integral element of the MPharm and are undertaken in both community and hospital

pharmacy settings. You will be required to complete a one-and-a-half-day practice experience in the community in Year 1. This is followed by a week in both settings in Year 2 and two weeks in both settings in Year 3. In Year 4, you will be required to complete two weeks placement of your choice either in community pharmacy, hospital, GP surgery or in industry.

Assessment includes written examinations at the end of each year. All courses also have continuous to assessment that contributes the remainder of the overall course mark.

Master of Pharmacy (cont)

Key facts

UCAS code: B230 – find us on UCAS code M62.

Attendance: 4 years full-time

Entry requirements for MPharm:

From

ABB at A2 level (including two science based subjects, one of which must be chemistry)

Or

BTEC National Diploma/Extended Diploma in Applied Science with Distinction/Distinction/Distinction overall

Plus you must also have GCSEs at grade 5 or above in English and mathematics to demonstrate your literacy and numeracy skills.

Entry requirements for MPharm with Foundation Year:

UCAS code: B231 – find us on UCAS code M62.

Attendance: 5 years full-time

From

BCC at A2 level (including two science based subjects, one of which must be chemistry)

Or

BTEC National Diploma/Extended Diploma in Applied Science with Distinction/Distinction/Merit overall

Plus you must also have GCSEs at grade 4 or above in English and mathematics to demonstrate your literacy and numeracy skills.

Alternative qualifications for MPharm

- Scottish Highers: AB at Advanced Higher level to include chemistry and one other pure science based subject, and BB at Higher level in two additional subjects; plus relevant qualifications in English language and mathematics.

- H2H2 at Higher level in Chemistry and one other science based subject, and H3H3H3 in three additional subjects at Higher level, plus Maths & English at O2, Ordinary level.
- International Baccalaureate: an overall score of 32 points (15 at Higher level), to include 5 or more points in both chemistry and one other science-based subject.
- Graduate entry: applicants with a first degree in a relevant subject must have a 2.1 or above.
- Overseas qualifications: overseas applicants will be assessed on an individual basis based on the UK NARIC equivalent.

They must have an appropriate English language qualification and an equivalent science background.

- Alternative English qualifications: IELTS at grade 7.0 in each category, Cambridge English Advanced Certificate at grade B.

Pharmacology and Physiology

BSc Hons

BSc Hons – Pharmacology and Physiology with Integrated Foundation Year



Why study this programme?

BSc Hons Pharmacology and Physiology

This course offers a comprehensive understanding of the fundamental principles of the scientific discipline of pharmacology and how these fundamental principles can be applied to the understanding of drug actions in the various physiological systems of the body. This programme is taught by research-active experts in pharmacology, physiology and related scientific disciplines and will offer you a progression route to

MSc or PhD study, or employment in the bioscience/ pharmaceutical industry. The programme is taught as a 3-year full-time course, or a 4-year full-time course combined with an industry sandwich year placement. Throughout the programme, there will be a strong emphasis on laboratory techniques, research and future employability.

BSc Hons Pharmacology and Physiology with Integrated Foundation Year

This programme is ideal if you do not have the required entry qualifications for BSc Hons Pharmacology and Physiology.

Once you have completed the foundation year and have the necessary marks and credits, you can progress to the BSc element of the programme. Applications for this course will be welcomed from mature students, who have previously not studied science but wish to take a new career direction and students who have been disadvantaged during their secondary education or have non-traditional qualifications. We will welcome applications from NVQ Level 3 qualified Pharmacy Technicians who have successfully completed ACCESS courses in an appropriate subject (e.g. science).

Pharmacology and Physiology (cont)

BSc Hons Pharmacology and Physiology provides a comprehensive understanding of the fundamental principles of pharmacology and of drug actions in the body.

We offer a sandwich year option, which involves a placement in an industrial research laboratory. The placement will follow on at the end of your second year of study. During your placement, you will have the opportunity to put into practice skills you have acquired during the first two years of the programme, as well as acquire new skills that will enhance your future employability.

What will you study?

Year 0: Only for BSc Hons Pharmacology and Physiology with Integrated Foundation Year

- Learnig Skills for Science (15 credits)
- Mathematics for Life Sciences (15 credits)
- Introduction to Chemistry (15 credits)
- Introduction to Biology (15 credits)
- Introduction to Pharmacology (15 credits)
- Introduction to Laboratory Practice (15 credits)
- Drugs and Diseases (15 credits)
- Biochemistry (15 credits)

Year 1:

- Physiology and Pharmacology (30 credits)
- Cell Biology and Biochemistry (30 credits)
- Medicinal Products (30 credits)
- Basic Laboratory Skills (15 credits)
- Analytical Techniques in Pharmacology (15 credits)

Year 2:

- Pharmacokinetics (15 credits)
- Cardiovascular Respiratory and Renal Pharmacology (15 credits)
- Immunopharmacology and Microbiology (15 credits)
- Endocrine and Gastrointestinal Pharmacology (15 credits)
- Research Methods in Pharmacology (15 credits)
- Neuropharmacology (15 credits)
- Two 15-credit options from a range including: Introduction to Toxicology; Introduction to Biopharmaceuticals and Gene Therapy (30 credits)

Year 3:

- Receptor Mechanisms and Molecular Pharmacology (15 credits)
- Clinical Pharmacology (15 credits)
- Professional Skills in Pharmacology (15 credits)
- Drug Discovery and Development (15 credits)
- Pharmacology Physiology Project (30 credits)
- Two 15-credit options from a range including: Advanced Neuropharmacology; Advanced Cell and Molecular Biology (30 credits)



Career opportunities

There are a number of different career paths and opportunities available to pharmacology graduates. Graduates can often continue their training and education by pursuing an MSc or PhD, or working in a pharmaceutical/ drug discovery company.

The scientific skills learned within a pharmacology degree make graduates attractive to a wide range of employers, which can open the door to a variety of career options after graduation.

Outside the academic or industrial lab, these could include science consultancy, teaching, marketing, scientific writing, journalism or scientific and pharmaceutical sales.

Teaching and assessment

The programme will involve a combination of formal lecture-based learning, laboratory practicals and seminar-based question-and answer sessions that will help you to acquire an in-depth understanding of key concepts.

In addition to timetabled direct contact learning sessions, you will undertake a variety of self-learning components. These will include managed student-centred learning exercises and the availability of computer-aided learning software to further solidify your understanding.

The assessment structure will consist of formal summative assessment against the learning outcomes via written examination, coursework assignments, written assignments, problem solving, presentations, laboratory participation and performance and a final-year research project report.

Pharmacology and Physiology (cont)

Key facts

UCAS code: B210 – BSc Hons Pharmacology and Physiology with Integrated Foundation Year)

2W3R (BSc Hons Pharmacology and Physiology) – find us on UCAS code M62.

Attendance: 3 years full-time, 4 years fulltime with industry sandwich year placement

Entry requirements for BSc Hons Pharmacology and Physiology with Integrated Foundation Year:

Students will be accepted from a wide range of educational backgrounds and each application will be considered individually.

Entry requirements for BSc Hons Pharmacology and Physiology:

School/college leavers

Normally a minimum of BBB from three A-levels subjects. Biology is preferred.

PLUS

GCSEs in English language and mathematics at grade 4 or above.

Applicants must have reached 17 years of age on admission.

Applicants must have reached 17 years of age on admission.

Vocationally related qualifications

We will consider applicants with vocationally related qualifications, including VCE A-level/ VCE AS-level/VCE Double Award/BTEC, on an individual basis.

Scottish Higher BB at Advanced Higher level with a preference for biology and/or chemistry or one other pure science based subject, and BB at Higher level in two additional subjects; plus relevant qualifications in English language and mathematics.

Irish Leaving Certificate

H4H4 at Higher level in Chemistry and one other science based subject, and H4H4 in two additional subjects at Higher level, plus Maths & English at O2, Ordinary level.

EU students International Baccalaureate:

offers normally in the range of 26 to 30 points (12 to 14 at Higher level, preferably in sciences, e.g. chemistry, biology, physics).

European Baccalaureate: applicants will be considered on an individual basis.

Mature and overseas students

The Medway School of Pharmacy welcomes students with vocational qualifications and/or relevant work experience and will continue to judge each student on his or her individual merits.

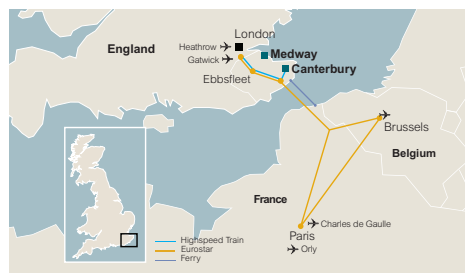
We also welcome applicants who have successfully completed Access courses in an appropriate subject (e.g. science).

Overseas applicants with qualifications obtained in their home country will be judged on merit on a case-by-case basis by the admissions tutor in consultation with the admissions manager. Students must have IELTS at grade 6.5 overall.

Where to find Medway



The Universities at Medway are located close to the towns of Rochester, Chatham and Gillingham. The region is steeped in history and rich in maritime heritage with Rochester's splendid castle and cathedral and The Historic Dockyard, Chatham. The area is in north Kent, just 40 minutes by fast train from London and 75 minutes by train from the Channel ports.



How to apply

Home and overseas students must apply through UCAS, using the Medway School of Pharmacy institution code M62. Please carefully consider the programmes available and apply as early as possible. For further information and UCAS deadlines, please visit www.ucas.com

Medway School of Pharmacy

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In partnership with:



UNIVERSITY of
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