Welcome

Where could medical physiology and therapeutics take you?

Healthcare is at the core of our society. The way we study and practice it will shape our lives for years to come.

Could you be one of the next generation of healthcare professionals and scientists working to meet the challenges of this changing world? Our medical physiology and therapeutics course is a three-year BSc honours degree that provides far-reaching training across the medical sciences. You’ll study in our purpose-built facilities at the University of Nottingham’s School of Medicine, based at the Royal Derby Hospital.

You’ll benefit from teaching from both clinical and non-clinical academics. As a graduate, you will be capable of responding to the growing demands of healthcare. A broad range of professional careers will be open to you, including clinically-based training programmes within the NHS, career progression within the pharmaceutical industry, or continuing your professional training via masters, PhD or graduate entry medicine programmes.

I look forward to welcoming you to our unique degree programme in September.

Dr Wayne Carter
Admissions Tutor

Why study with us?

Studying medical physiology and therapeutics at Nottingham

Ideal for those with a broad interest in the medical sciences, this course will enable you to experience working at the forefront of scientific research and practice.

Royal Derby Hospital Centre
You will study in our modern, purpose-built Royal Derby Hospital Centre in Derby. The centre is based on-site at one of the biggest hospitals in the East Midlands.

Facilities include:
• a dedicated undergraduate laboratory
• an anatomy suite
• a clinical skills suite
• a large computer suite
• a clinical research laboratory
• a multidisciplinary library
• social communal rooms

A hopper bus service runs between the Royal Derby Hospital Centre and University Park Campus, connecting you to the wider student facilities. There are dedicated halls of residence at the University of Derby for Nottingham students which have good transport links to the centre. Alternatively, you can live in Nottingham.

At a glance

• Study a broad range of subjects within the medical sciences, including anatomy, cell biology and physiology
• Adapt the course to your interests with a choice of optional modules in years two and three
• Access an anatomy suite with prosected human cadavers

Life in Derby
The city centre is home to intu Derby shopping centre, which has over 160 stores, restaurants and a cinema. Derby’s nightlife is a vibrant mix of pubs, clubs, theatres, restaurants and live music, with many places holding regular student nights. Find out more in our Derby city guide: nottingham.ac.uk/medicine/derbygide

Ranked as a world top 100 university*

*QS World University Rankings 2018.

nottingham.ac.uk/medicine
Our course

<table>
<thead>
<tr>
<th>Degree title</th>
<th>UCAS code</th>
<th>Duration</th>
<th>A levels</th>
<th>IB</th>
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<tbody>
<tr>
<td>Single honours</td>
<td></td>
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<tr>
<td>BSc Medical Physiology and Therapeutics</td>
<td>B121</td>
<td>3 years</td>
<td>AAB-ABB</td>
<td>34-32</td>
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Foundation courses
Applicants who are not eligible for direct entry to undergraduate study may be able to apply for a foundation course. Find out more at nottingham.ac.uk/foundationcourses

English language requirements
IELTS 6.5 (no less than 6.0 in any element). For details of other English language tests and qualifications we accept, please see nottingham.ac.uk/go/alternativerequirements

Academic English preparation
If you require additional support to take your language skills to the required level, you may be able to attend a presessional course at the Centre for English Language Education, which is accredited by the British Council for the teaching of English in the UK.

Students who successfully complete the presessional course to the required level can progress onto their chosen degree course without retaking IELTS or equivalent. Find out more at nottingham.ac.uk/cele

What our students say

Katie Horton
My favourite thing about this course is the diversity of topics available to study. There are opportunities to gain experience in cutting-edge clinical research with specialist members of staff.

Thomas Yu
I’ve really enjoyed my time on the course. The range of medical science taught will act as a firm foundation for me to pursue a career within the medical field.

Larissa Schaffert
I have developed scientific and clinical skills in a range of different areas, which provides an excellent basis for my future objective to undertake further studies in graduate entry medicine.

nottingham.ac.uk/ugstudy/mpt
Our course

BSc Medical Physiology and Therapeutics

Our innovative degree allows you to combine the study of an expansive range of subjects within the medical and health sciences.

Year one
You’ll begin by studying the major body systems in health and disease states. Topics include:
- learning how the body defends itself against infection and disease
- an overview of human anatomy, physiology, biochemistry and haematology
- study of the musculoskeletal and nervous system
Alongside your scientific knowledge, you will develop core study and academic skills.

Year two
In the second year, you’ll be expected to have more autonomy for your learning. Core modules will introduce you to new topics which cover:
- an overview of the anatomy, physiology, molecular, and cognitive features of the nervous system
- human reproduction, including pregnancy, birth and treating infertility
- drug action and the treatment of disease, covering common diseases such as diabetes, renal disease and cancer
Optional modules will allow you to expand your knowledge in areas that interest you. You’ll be encouraged to think about your future study or career aspirations when choosing modules, with your personal tutor providing guidance. Modules may cover:
- cancer biology
- cardiovascular disease
- respiratory disease
- skeletal muscle in health and disease

Year three
For this year, the focus moves to enhance your research skills. Half of the year will be spent in a research environment where you’ll work alongside academics from the faculty’s research groups. This is your chance to use the skills you’ve learned to design, plan and execute your own research project.
In addition, you’ll undertake core modules to support your research and prepare for graduation. Topics include:
- key skills in research design and methods such as reviewing literature, compiling bibliographies and scientific writing
- developing employability skills and researching careers or further study options
There are additional special study modules for you to choose from so you can tailor your studies to your individual interests.

Modules may change, for example due to curriculum developments. The above list is a sample of typical modules that we offer, not a definitive list. The most up to date information can be found on our website at nottingham.ac.uk/ugstudy

Examples modules

**Year one**
- Core: Body Structure, Body Function
- Core: Infection and Defence
- Core: Movement
- Core: Study and Academic Skills
- Core: Supply and Demand 1–3

**Year two**
- Core: Contemporary Insights and Skills
- Core: Neuroscience
- Core: Pharmacology and Therapeutics
- Core: Reproduction
- Optional: Cancer Biology
- Optional: Cardiovascular Disease
- Optional: Respiratory Disease
- Optional: Skeletal Muscle in Health and Disease

**Year three**
- Core: Personal and Professional Development
- Core: Research Design, Research Methods and Statistics
- Core: Research Project
- Special study: Clinical Cases in Endocrinology and Diabetes
- Special study: Diagnostic Histopathology and Imaging
- Special study: Rehabilitation and Long Term Conditions
- Special study: Skeletal Muscle Physiology and Metabolism in Exercise, Health and Disease
- Special study: The Cellular Basis of Disease

**Example year one timetable**

<table>
<thead>
<tr>
<th></th>
<th>9-10am</th>
<th>10-11am</th>
<th>11am-noon</th>
<th>12-1pm</th>
<th>1-2pm</th>
<th>2-3pm</th>
<th>3-4pm</th>
<th>4-5pm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>Lecture</td>
<td>Lecture</td>
<td>Lecture</td>
<td>Lecture</td>
<td>Lunch</td>
<td>FP</td>
<td>Tutorial</td>
<td>FP</td>
</tr>
<tr>
<td>Tuesday</td>
<td>Lecture</td>
<td>Lecture</td>
<td>Lab practical</td>
<td>Lunch</td>
<td>FP</td>
<td>Lab practical</td>
<td>FP</td>
<td></td>
</tr>
<tr>
<td>Wednesday</td>
<td>Free period (FP)</td>
<td>Lecture</td>
<td>Lecture</td>
<td>Lunch</td>
<td>No teaching – sport/leisure time</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thursday</td>
<td>Lecture</td>
<td>FP</td>
<td>Lecture</td>
<td>Lunch</td>
<td>Tutorial</td>
<td>Lecture</td>
<td>FP</td>
<td>FP</td>
</tr>
<tr>
<td>Friday</td>
<td>Lecture</td>
<td>Lecture</td>
<td>FP</td>
<td>Lunch</td>
<td>Lab practical</td>
<td>FP</td>
<td>FP</td>
<td></td>
</tr>
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nottingham.ac.uk/ugstudy/mpt
Explore different topics through theory and laboratory work, giving you a varied learning experience.

Engaging study, incredible results

You will take part in innovative classroom and practical sessions, including access to prospected human cadavers.

Teaching and assessment
We use a blended curriculum of:
- laboratory sessions
- lectures
- seminars
- tutorials
- workshops

A range of assessments will be used depending on the module, including:
- essays
- exams
- group work
- verbal presentations
- portfolios
- poster production
- practical write-ups
- research dissertations

Exams take place twice a year at the end of each semester.

Support
You’ll be assigned a personal tutor in the first year who will support you through your whole degree. Their role is to review your academic progress each semester and help with any personal matters. Your personal tutor will act as a gateway to the wider student support and development provision of the University.

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: unistats.co.uk

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

nottingham.ac.uk/medicine/mptteaching
Outstanding careers support

As a graduate, you’ll have obtained a broad range of skills which are valued by employers in scientific and clinical research, the NHS, and a diverse range of graduate employers across the public sector.

97.7% of undergraduates from the faculty had secured work or further study within six months of graduation*

£24,415 was the average starting salary with the highest being £42,000*

Further study
You’ll also be well placed to undertake postgraduate study. Recent graduates have gone on to complete programmes in:
- graduate entry medicine
- physicians associate
- physiotherapy
- public health
- radiotherapy and oncology
- stroke medicine

Amplify your potential
Whether you already have a plan or need some inspiration, your Careers and Employability Service is here to help.

Academic excellence and employability go hand in hand at Nottingham. Your course, and the diverse student experiences we offer, will enable you to develop the skills and professional competencies required to thrive in the job market of the future.

We will help you explore your options, so you feel confident making choices about what you want to achieve. Our team will support you as you build your CV, search for jobs, prepare applications, practise your interview technique, and much more.

Get the Advantage
The career-enhancing Nottingham Advantage Award recognises and rewards your extracurricular activities. With a choice of over 200 modules, you can hone the key skills employers are looking for. From developing your leadership skills and learning a language to public speaking and volunteering, you will leave university with demonstrable experience that sets you apart from other graduates. For further information, visit nottingham.ac.uk/careers/advantage

Typical graduate destinations:
- clinical research and trials
- biotechnology
- haematology
- histopathology
- pharmaceutical research and sales
- respiratory or cardiac physiology

* Known destinations of full-time home undergraduates who were available for work 2015/16. Salaries are calculated based on the median of those in full-time paid employment within the UK.
How to apply

All applications for undergraduate study at Nottingham, including applications by international students, must be made through UCAS.

You can apply online at ucas.com and will be notified of decisions through UCAS Track.

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-motivated and make the best possible use of the opportunities that our courses offer you. We would also like to hear about any skills you have gained through extracurricular activities.

Minimum entry requirements
Unless otherwise stated in individual course profiles, all UK applicants should have GCSE English grade 4 (C) as a minimum.

Alternative qualifications
In this brochure you will find our A level and International Baccalaureate entry requirements but we accept a much broader range of qualifications. For more details, visit nottingham.ac.uk/ugstudy/applying

GCSE reform
Following the reform of GCSE grading in England from A*–G to 9–1, we have adopted Ofqual’s recommended equivalence. This means that GCSE grade A*=9, A=7, B=5/6 and C=4. GCSE qualifications taken outside of the UK will still be graded A* to G.

nottingham.ac.uk/ugstudy/applying

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. Some courses may make a slightly lower offer. For more information about this policy, see nottingham.ac.uk/ugstudy/applying

Mature applicants
We encourage applications from mature applicants who have a significant gap in education. You should apply through UCAS. Find out more at nottingham.ac.uk/mature

International applicants
The University provides a range of information and advice for international applicants. If you are unable to attend an open day, we can meet you in your country at one of our overseas events or arrange an individual visit to the University. For further information please visit nottingham.ac.uk/go/international-applicants

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.

One of the UK’s leading universities for sport* with over 70 student sports clubs
nottingham.ac.uk/sport

* British Universities and Colleges Sports Standings, 2016-17.

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For undergraduate enquiries contact:
Student Recruitment Enquiries Centre
nottingham.ac.uk/medicine
uonmedicine
@MedicineUoN
nottingham.ac.uk/contact
+44 (0)115 951 5559

This brochure has been drafted in advance of the academic year to which it applies. Every effort has been made to ensure that the information contained in this brochure is accurate at the time of publishing, but changes (for example to course content) are likely to occur given the interval between publication and commencement of the course. It is therefore very important to check our website for any updates before you apply for the course by following nottingham.ac.uk/ugstudy. Where there is a difference between the contents of this brochure and our website, the contents of the website take precedence.

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This publication is available in alternative formats:
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