

Faculty of Medical Sciences

# Postgraduate Prospectus



# Why choose postgraduate study?

There are many reasons why you might choose to undertake a postgraduate degree, whether you're looking to stand out in a crowded job market, contribute to world-leading research or gain the accreditation needed to take the next steps in your career, a postgraduate qualification can help you achieve your goals.

A postgraduate qualification can also benefit people who are looking to change careers or return to studying after a break. Whatever your situation, now is the time to invest in your future.

## Flexible study

In the Faculty of Medical Sciences, we offer a range of postgraduate programmes, both taught and research based. We have several different options, from part-time to full-time study, from e-learning (virtual) to in-person teaching, we are as flexible as possible to help you undertake PG study.

If you're interested in pursuing a PhD, our Doctoral College has all the support you need.

We offer a range of different PG qualifications.

## Taught programmes

MClinRes	Master of Clinical Research
MMedEd	Master of Medical Education
MClinDent	Master of Clinical Dentistry
MSc	Master of Science
PGCert	Postgraduate Certificate (awarded if you successfully complete half of the taught modules - 60 credits)
PGDip	Postgraduate Diploma (awarded if you successfully complete all of the taught modules - 120 credits)

## Research programmes

MRes	Master of Research
DClinPsych	Doctorate in Clinical Psychology
MPhil	Master of Philosophy
PhD	Doctor of Philosophy
MD	Doctor of Medicine





# Supporting your future

When it comes to preparing our students for a career beyond graduation, we have been awarded 5 QS Stars for Student Employability. Not only will our award-winning Careers Service support you while you are studying with us, but it will also support you for three years after graduation.

Students can receive support and attend workshops on a range of topics, including:

- application support
- interview coaching
- specialist online careers workshops
- database of job vacancies, work experience placements and internships

**Find out more at [ncl.ac.uk/careers](https://ncl.ac.uk/careers)**





# Awarded



## 5 QS Stars

for Student Employability 2023

### Business start-up opportunities

Our dedicated START UP team are ready to support you grow your own business, social enterprise or freelance career. Offering support in a variety of ways, including:

- tailored one-to-one coaching and advice
- business and skills development workshops
- equity-free grant funding up to £3,000
- START UP Founderships – a business pre-accelerator initiative to advance early-stage company founders

Find out more at [ncl.ac.uk/careers/startup](https://ncl.ac.uk/careers/startup)

### International student support

Our international student pathway provides support to find a job in your home country and brings together the careers information you need, including guidance on the Graduate visa. This post-study work visa could help you build your career after university, allowing you to stay and work in the UK for up to two years following a postgraduate course or three years after completing a PhD.

Find out more at [ncl.ac.uk/careers/support-and-resources/tailored-information/international-students/](https://ncl.ac.uk/careers/support-and-resources/tailored-information/international-students/)

# Where is Newcastle?

Newcastle is a well-connected city with great links locally, domestically and internationally, making it a great place to live and study. The Metro rail network connects the region from the city centre to the airport and to the North Sea coast. Newcastle Central Train Station is connected to most major cities and Newcastle International Airport has direct flights to many different countries.



Fastest journey times by train  
([trainline.com](http://trainline.com))

**Birmingham:** 2 hours 50 minutes  
**Edinburgh:** 1 hour 25 minutes  
**London:** 2 hours 35 minutes  
**Manchester:** 2 hours 15 minutes



UK and popular airports with direct  
flights to Newcastle include:

**Amsterdam:** 1 hour 20 minutes  
**Dubai:** 6 hours 50 minutes  
**Dublin:** 1 hour  
**London Heathrow:** 1 hour  
**Paris:** 1 hour 50 minutes

## Why Newcastle University?

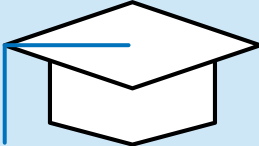
We're home to a world-leading collaboration of researchers, doctors and teaching professionals who are tackling global challenges in health and healthcare.


**Top**  **130**  
Global University  
(QS World University Rankings 2025)

  
**BUCS Top 10**  
national sport  
ranking

Top  
**10**   
student city  
in the UK  
(QS Best Student Cities 2023)


Awarded  
  
**5 QS Stars**  
for student  
Employability  
(2023)

A founding  
member of the  
  
**RUSSELL  
GROUP**

We have  
taught  
**Medical  
Sciences**  
since  
**1834** 

Leading  
education and  
research in  
**ageing**    
and **health**

**Top 10**   
city for  
affordability  
in the UK  
(QS Best student cities 2022)

**29,000**  
students  
 from  
**140**  
countries



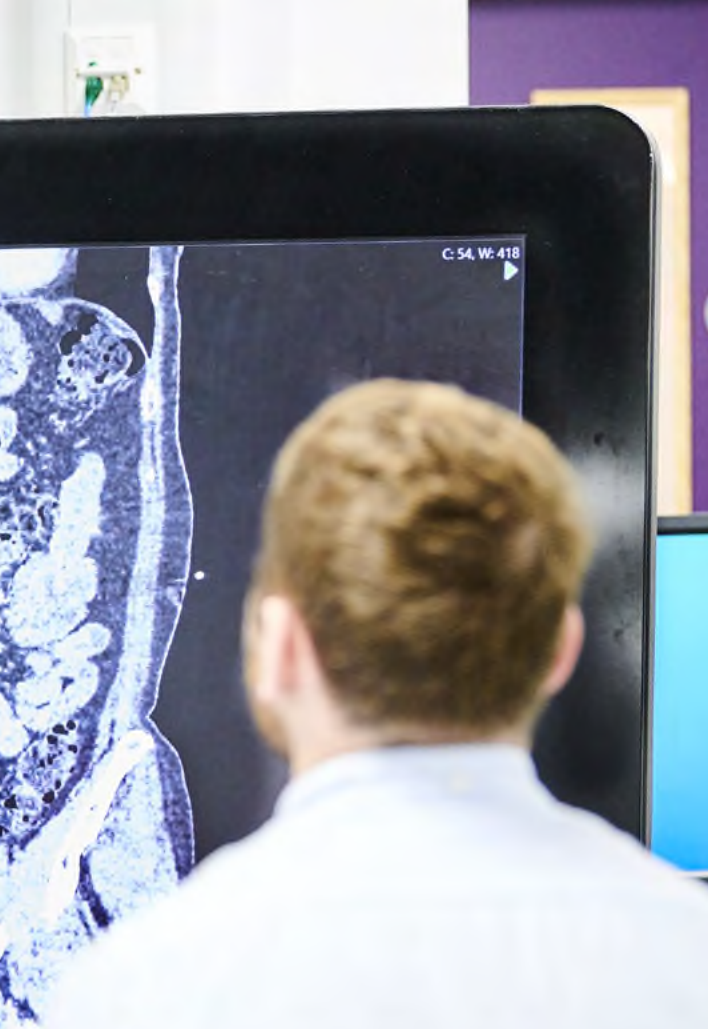
# Research **strengths**

At Newcastle University, we pride ourselves on our research excellence exemplified by our increase in research power by 65% since 2014\*. Multidisciplinary is key to what we do with cutting edge research crossing our three faculties. Our researchers work collaboratively, drawing on expertise from different fields to tackle research problems in a wide range of areas.

Whilst we have world-class research across the University, we have particular expertise in the following areas:

- Ageing and health
- Cities and place
- Culture and creative arts
- Data
- One planet

\*Research Excellence Framework 2021



# Our research themes

In the Faculty of Medical Sciences, we know that our research has a powerful impact on wider society.

Our research teams are supported by three interactive research institutes:

- Biosciences institute
- Translational and Clinical Research institute
- Population Health Sciences Institutes

These institutes provide a space for interdisciplinary research, allowing experts from across the University to collaborate using a team science approach. Together, our researchers and clinicians are addressing the world's most pressing biological, medical and health problems.

There are 20 cross-cutting research themes in the Faculty of Medical Sciences:

- Ageing and Geroscience
- Applied Cancer Therapeutics and Outcomes
- Behavioural Science and Psychology
- Cells, Genes and Molecules
- Discovery of Medicines
- Human Nutrition and Exercise Research Centre
- Immunity and Inflammation
- Innovation, Methodology and Application
- Long Term Conditions and Multimorbidity
- Mental Health, Dementia and Neurodegeneration
- Microbes in Health and Disease
- Mitochondrial and Neuromuscular Diseases
- Molecular and Cellular Microbiology
- Neuroscience, Neurodisability and Neurological Disorders
- Nutrition, Exercise and Metabolism
- Precision Medicine, Genomics and Informatics
- Public Health and Health Inequalities
- Regenerative Medicine, Stem Cells, Transplantation
- Reproduction, Development and Child Health
- Vascular Biology and Medicine

We are proud of the breadth of research we specialise in within the Faculty of Medical Sciences.

# Research excellence

We have grown in research power, with exceptional results in the Research Excellence Framework (REF) 2021\*. We're proud of the research we produce and the impact it has on people's lives worldwide.

## Reversing Type 2 diabetes

Break-through research by Newcastle University's Professor Roy Taylor has defined the cause of Type 2 diabetes and established an effective treatment to reverse the disease.

Approximately 422 million people worldwide have diabetes which causes serious long-term health problems. 1.6 million deaths a year are directly attributed to diabetes.

Using innovative magnetic resonance methods, Professor Taylor has confirmed his Twin Cycle Hypothesis – that Type 2 diabetes is simply caused by excess fat within the liver and pancreas.

In the liver, this fat causes a poor response to insulin and overproduces glucose. In the pancreas, the fat inhibits insulin secretion. The research shows that decreasing the fat levels in both the liver and pancreas by following a low-calorie diet achieves normal sugar levels, to a point where medication is no longer needed.

## A new ovarian cancer drug

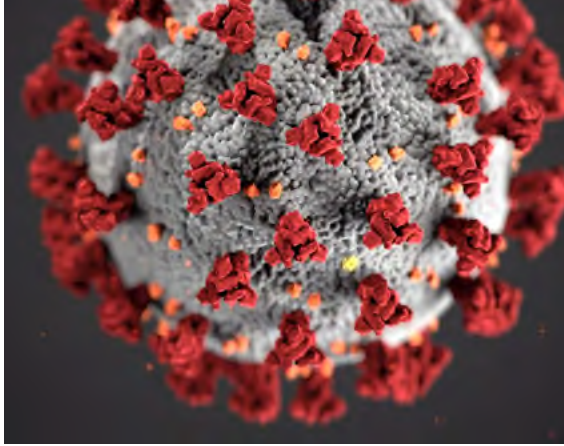
Developed by scientists at Newcastle University, Rubraca® is an oral treatment for ovarian cancer treatment, which has been shown to significantly delay progression of the cancer after chemotherapy.

Newcastle University researchers were part of a multi-disciplinary team that discovered and developed Rubraca®.

The treatment is a class of drug called a PARP inhibitor which exploits a defect in the cancer cell's ability to repair normal wear and tear to its DNA. This allows it to kill the tumour cells without unduly harming healthy cells. The drug gives women better quality of life for longer, without the sometimes debilitating side-effects of chemotherapy.

Approved for use in the NHS in 2019, Consultant Medical Oncologist and Senior Lecturer from Newcastle University Dr Yvette Drew has led the clinical development of Rubraca® in ovarian cancer in the North East.





## Unlocking the secrets of long COVID

An estimated 1.9 million people have long COVID, with almost three-quarters of those experiencing disabling symptoms of fatigue.

Research led by Newcastle University's Dr Demetris Soteropoulos used behavioural and neurophysiological tests on people suffering from post-COVID fatigue and found changes in the autonomic nervous system, similar to an underactive vagus nerve.

Studies completed before the pandemic showed that non-invasive vagus nerve stimulation can improve symptoms of fatigue. Studies continue at Newcastle University to look into the possibilities of using non-invasive vagus nerve stimulation to improve symptoms of fatigue in those suffering from long COVID.

## Improving heart health

Newcastle University's Professor Vijay Kunadian, Clinical Professor of Interventional Cardiology, is working on the world's largest minor heart attack trial: SENIOR - RITA.

Ischaemic heart disease - or coronary artery disease - is the leading cause of death in the UK and worldwide.

Older patients with heart attacks have historically been under-represented in clinical trials. Professor Kunadian focused her research on this neglected patient group to fill the gap in knowledge and provide internationally recognised expertise for managing cardiovascular disease among older adults.



## IVF procedure produces first UK baby with DNA from three people

The first UK babies created with DNA from three people have been born following a ground-breaking IVF procedure, pioneered by Newcastle University researchers. The aim of the research is to prevent children from inheriting incurable diseases.

The technique, known as mitochondrial donation treatment, uses tissue from the eggs of healthy female donors to create IVF embryos that are free from harmful mutations their mothers are likely to pass on to their children.

The embryos combine sperm and egg from the biological parents with tiny battery-like structures called mitochondria from a donor's egg. 99.8% of the resulting baby's DNA comes from the mother and father.

Approval is given on a case-by-case basis by the UK's Human Fertilisation and Embryology Authority (HFEA).



# Funding your degree

There are a wide range of funding opportunities open to students. Our searchable funding database is updated weekly and has information on all of the latest funding opportunities [go.ncl.ac.uk/pg-funding-search](https://go.ncl.ac.uk/pg-funding-search)

## Tuition fee discounts

### All students:

- 2% discount if you pay your annual fees in full before the end of registration week
- Tuition fee instalment plan available to spread the cost of your studies

### Home students:

- 20% Alumni Progression Discount for eligible Newcastle University alumni from disadvantaged backgrounds

### International students:

- 10% discount to close relatives of Newcastle University students and graduates

## Awards, bursaries and prizes

There are a range of different opportunities to support additional costs associated with studying specific degrees. These are typically nonrepayable and awarded by various organisations, including charities and trusts.

## Loans

There are two postgraduate loan schemes available to help with course fees and living costs for home students. Both are administered by the Student Loans Company.

Where you live and your awarding body will dictate how much you can apply for; other eligibility criteria may also apply.

The amounts given below are correct for an English student starting a new course on or after 1 August 2023.

- Postgraduate Master's Loan – up to £12,167 for students studying taught and research Masters' courses (eg MA, MSc, MRes, LLM, MBA)
- Postgraduate Doctoral Loan – up to £28,673 for students studying doctoral degrees (eg PhD)



## Scholarships

£1,000 Alumni Progression Scholarship for eligible UK and International Newcastle University alumni (not available for students receiving the 20% Alumni Progression Discount).

### Home students\*:

Funded or partially-funded scholarships often based on academic merit or specific eligibility criteria. Non-repayable, they can be awarded by a variety of organisations, including Newcastle University, private companies, professional organisations, charities, trusts and the UK government.

### International students:

We aim to create a strong global community and support this via scholarships for international and EU students. We also participate in prestigious scholarship schemes such as Commonwealth and Fulbright. [go.ncl.ac.uk/pg-funding-search](https://go.ncl.ac.uk/pg-funding-search)

## Studentships

These are funded PhD opportunities which normally have a fixed project title and a named supervisor. Funding can be awarded by charities, commercial organisations and the UK's Research Councils.

It is possible to complete a studentship in an academic school or via a Doctoral Training Centre or Doctoral Training Partnership.

Find all of our funding options in one handy place: [ncl.ac.uk/postgraduate/fees-funding/search-funding/](https://ncl.ac.uk/postgraduate/fees-funding/search-funding/)

\* 'Home students' refers to UK students and may include EU, other EEA and Swiss nationals with settled or pre-settled status under the EU Settlement Scheme, depending on residency history. Fee status will be assessed on application by our Admissions team.



# Taught postgraduate study

A Master's qualification is a popular choice for postgraduate taught study, allowing you to dive deeper into your subject of choice – whether that be the same or closely related to your undergraduate subject or a change in specialisms to explore a new subject.



By providing an in-depth look at your subject of choice, a Master's qualification offers opportunities to extend your subject knowledge, prepare for a postgraduate research degree and develop the professional skills required to progress or change your career.

## What to expect

Most Master's courses start in September, with a small number starting in January. Typically studied full-time, courses last for 12 months. Many of our courses also offer part-time and flexible study options.

Timetables classes run through the Autumn and Spring terms, building knowledge and developing core skills. Formal assessments take place in January and May/June respectively.

The Summer term typically sees a reduction in timetabled classes and a focus on independent research projects. If placement opportunities are built into the programme, the Summer term is when they typically take place.

Throughout the Summer term, you'll continue to be supported with academic supervision. Completion of the independent research project for submission in August/September signifies the end of the programme.

Congregation ceremonies are held in December. You will be invited to celebrate graduating with your friends and family at our beautiful campus.

Our Careers Service will continue to support you for up to three years after graduation.

[ncl.ac.uk/careers](https://ncl.ac.uk/careers)

Our alumni community can also help you reach your full potential as you build your personal and professional network through our calendar of global events and networking opportunities.

[ncl.ac.uk/alumni](https://ncl.ac.uk/alumni)

## Taught course options

Whilst a Master's degree is the most popular form of postgraduate taught study it is not the only one. In the Faculty of Medical Sciences, we offer a range of postgraduate taught programmes:

- MSc – Master of Science
- PGCert – Postgraduate Certificate
- PGDip – Postgraduate Diploma
- MCLinRes – Master of Clinical Research
- MMedEd – Master of Medical Education

Explore our full range of postgraduate taught programmes at [ncl.ac.uk/postgraduate/degrees](https://ncl.ac.uk/postgraduate/degrees)

## MSc vs PGCert vs PGDip

The main difference between the three course types can be summarised below:

- An MSc typically requires you to complete a thesis, in addition to 120 credits of teaching.
- A PGCert typically requires 120 credits of teaching to be completed, you do not typically complete a thesis as part of this qualification.
- A PGDip typically requires 60 credits of teaching to be completed, you do not typically complete a thesis as part of this qualification.

Please note this is a generalisation and you should always check the course specification for each programme.

# Applying for a taught postgraduate course

We've broken down the application process for our taught postgraduate programmes into four simple steps.

1

## Choose your course

You'll find information about all the courses we offer on pages 24 – 71 of this guide. You can also visit [ncl.ac.uk/postgraduate/degrees](https://ncl.ac.uk/postgraduate/degrees) to explore the courses we offer and find one that's right for you. Compare key information such as teaching styles, module outlines and subject facilities when making your decision.

For international applicants, we work with education agents across the world who can support your application – check our country pages at [ncl.ac.uk/international/country](https://ncl.ac.uk/international/country)

Compare courses, get module outlines, information about subject facilities, entrance requirements, fees and funding opportunities.

2

## Check the details

Make sure to check all the key details for your chosen course:

- The **minimum entry** requirement for most of our taught Master's courses is an upper-second-class Honours degree (2:1) or international equivalent, some courses may ask for a specific subject. We also welcome applications from professionals with significant work experience.
- **English language requirements** are also stipulated on each course profile.
- Take note of the **application deadline** date and information on **deposits**. You can find this in the 'How to Apply' section of the online course profile.





## Apply online or via your education agent

The majority of our courses are available to apply online. More information is provided on our application help pages at [ncl.ac.uk/postgraduate/applications-offers/application-help/](https://ncl.ac.uk/postgraduate/applications-offers/application-help/) Use the link to our 'Apply to Newcastle' portal to:

Follow the steps to:

- register to use the portal
- complete your application form – you can save and update your application as many times as you like before submitting
- attach and upload your supporting documents
- submit your application
- track the progress of your application when it has been submitted.
- You will need to submit a number of supporting documents:
- academic transcripts to confirm your degree or your progress and results to date
- a copy of the photograph page of your passport
- if you are not from a majority English language speaking country you will need to include a copy of your English language test results e.g. IELTS
- certified translations (if your documents are not in English)

A small number of our course are exclusively for NHS employees and have a different application process. Specialist application information is provided on the course profiles.



## Accept your offer

When you've submitted your application, we will consider it and inform you/your agent of our decision either by a formal letter or email.

If you have received an offer, you must officially accept it to secure your place. You can do this online via the 'Apply to Newcastle' portal. If you receive a conditional offer, you will need to work towards meeting the conditions of your offer, so that your application becomes unconditional.

If a deposit was not required as part of your offer, you may still need to pay this or provide proof of sponsorship before a 'confirmation of place' can be issued. If you need to pay a deposit, information on how to pay the deposit will be included in your official offer letter.

Once you have met all of the conditions of your offer (and paid your deposit if required), you will receive a 'Confirmation of Place' email and, if you need to apply for a student visa, a Confirmation of Acceptance for Studies' (CAS) number. More information is available on the UK Government website: [gov.uk/student-visa](https://gov.uk/student-visa)

Further information on what to do next, including how to register and what to expect when you arrive in Newcastle, is available at [ncl.ac.uk/student-welcome](https://ncl.ac.uk/student-welcome) We'll keep you informed with regular email updates in the weeks before your course is due to start.

## Need more help?

If you have a question about your application, there's lots of ways to get in touch. You can:

- chat to us live at [ncl.ac.uk/postgraduate](https://ncl.ac.uk/postgraduate)
- contact us via the 'Apply to Newcastle' portal
- email our Postgraduate Admissions team at [pgadmissions@ncl.ac.uk](mailto:pgadmissions@ncl.ac.uk)

For more information about our offers go to [ncl.ac.uk/postgraduate/applications-offer](https://ncl.ac.uk/postgraduate/applications-offer)

### At a glance

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**Apply through the NHS Echocardiography Training Programme**



**Course duration:**  
12 months part-time



**Professional accreditation:**  
This course is accredited by the National School for Healthcare Science Accreditation Unit.

### Entry requirements

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Applicants will have been successfully appointed to the NHS Echocardiography Training Programme and hold training contracts within NHS Trusts.

### Course overview

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Our Clinical Echocardiography programme will provide you with the underpinning knowledge and theoretical principles of cardiac ultrasound investigations in a clinical setting. With a large focus on practical learning, the programme offers opportunities to develop and demonstrate understanding, qualities and skills to perform successfully as an echocardiographer.

### Course features

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- Develop knowledge through two intensive teaching blocks.
- Gain hands-on experience using our state-of-the-art heart scanning equipment.
- Benefit from our close working relationship with Newcastle's working hospitals.

### What you will study

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The programme provides opportunities to develop the knowledge, qualities and skills required to support clinical echocardiography as delivered in a workplace setting. Teaching will focus on developing an in-depth, systematic understanding of clinical echocardiography, required to support echocardiography staff in the workplace setting. You'll also gain critical awareness of current issues and new insights into clinical echocardiography and learn techniques for advanced academic enquiry.

Our programme comprises of two 30-credit modules aligned to an NHS England national curriculum. Module 1 (Introduction to Echocardiography) is taught in a two-week block format during Semester 1 whilst Module 2 (Ultrasound Imaging in Cardiac Disease) is taught in a two-week teaching block in Semester 2. Overall, the programme is designed to equip you with the key skills required in clinical echocardiography.

- Make informed judgements on complex issues within clinical echocardiography, often in the absence of complete data.
- Communicate ideas and synthesise conclusions effectively to specialist and non-specialist audiences, including patients.

- Prepare and present information, in both written and verbal formats, to stakeholders (e.g. patients, clinical colleagues, other healthcare professionals and the public) with contrasting levels of knowledge and understanding.
- Critically evaluate the quality of data and information offered from different sources to enhance patient welfare.
- Work within a team environment to maximise patient care and outcomes.

You'll learn through a mixture of lectures and workshops, augmented by independent study and directed by the provision of reading lists. As well as attending teaching sessions on-campus, you'll also get the opportunity to receive work-based training in accredited training centres.

You'll be assessed through a wide range of assessment types. As well as traditional assessment formats such as essays and a dissertation, assessments can be in the form of reflective logs, oral presentations and practical lab reports. Assessments are designed to reflect the type of work undertaken in a real healthcare setting.

## Graduate destinations

This programme is designed to support the career development and upskilling of those who are already working in a healthcare setting. Successful completion of this course qualifies you as an echocardiographer.

Graduates have also gone on to further study, using this programme and the skills developed in the research project as a springboard for a PhD qualification.



### At a glance

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**2:1 honours degree  
in Psychology**



**Course duration:**  
36 months full time



**Professional accreditation:**  
This course is accredited  
by the British Psychological  
Society (BPS).



**This programme is available  
to study as individual  
CPD modules.**

### Entry requirements

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2:1 honours degree, or international equivalent, in Psychology.  
2:2 honours degrees will be considered if you have evidence  
of subsequent academic achievement equivalent to a good  
2.1. This could include a PhD or an MSc at the level of merit  
or distinction.

Your qualification must confer Graduate Basis for Chartered  
Membership (GBC) from the British Psychological Society  
(BPS). You are required to have a minimum of 12 months full-  
time (or equivalent) recent experience in a field relevant to  
clinical psychology.

All applications are received via Clearing House. For more  
information, visit our course page:  
[ncl.ac.uk/postgraduate/degrees/8861f-135/#how-to-apply](https://ncl.ac.uk/postgraduate/degrees/8861f-135/#how-to-apply)

### Course overview

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**Our three-year Clinical Psychology programme integrates  
teaching, research and clinical practice to prepare you for  
a career as a professional clinical psychologist. With more  
than 50 years in practice, our programme is one of the  
longest established in the UK.**

Over the course of three years, you'll develop a range of skills  
in research, collaboration, reflection and leadership, all critical  
to the role of a clinical psychologists.

You'll also build on your existing knowledge through an  
academic syllabus that reflects trainees' experience on  
clinical placement.

Throughout the course, you will work closely with and learn  
directly from our NHS colleagues in the local psychology  
services and Health Education North East colleagues (Health  
Education England).

### Course features

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- Opportunities to gain clinical experience through  
four six-month core placements and an elective  
11-month placement.
- Through accredited pathways, choose to specialise in CBT  
or family therapy in your third year.
- Learn from a dedicated team of supportive teaching staff  
with considerable clinical and research expertise.
- We encourage involvement in programmatic research  
and dissemination of the research output, including peer-  
reviewed journal publications and professional conferences.
- Teaching input from regional clinicians, psychologists and  
special interest groups, thanks to our strong, established  
links with regional partners.

## What you will study

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In the first two years of the programme, you'll focus on two major evidence-based therapeutic models:

- cognitive-behavioural therapy
- systematic therapy

Introduction to other emerging treatment approaches is explored later in the course. These include:

- cognitive analytic therapy
- EMDR (eye movement desensitisation and reprocessing)
- other models with demonstrable or emerging evidence of their clinical effectiveness

You'll spend the rest of your time in the first two years completing four six-month core placements. During these placements, you'll cover adult mental health, children, learning disability and older adults. You'll then have the option to undertake an additional 11-month placement in your third year, arranged in a speciality of your choice.

You'll be assessed through a wide range of assessment types. As well as traditional assessment formats such as essays and reports, assessments can be in the form of case studies and research papers. You'll conclude the programme with a thesis submission and viva.

## Graduate destinations

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Successful completion of this programme qualifies you to work as a clinical psychologist. Our graduates have gone on to work in NHS settings, as well as in academia.

As a graduate, you'll be eligible to apply for registration with the Health and Care Professions Council and Chartered Clinical status with the British Psychological Society (BPS).



# Clinical Research

ClinRes, PGDip, PGCert, CPD

Course code  
PGCert **3107P**  
PGDip **3475P**  
MClinRes **4853P**

## At a glance



**2:2 honours degree in a healthcare related programme**



**Course duration:**  
programme is taught part-time:  
PGCert – 12 months  
PGDip – 24 months  
MClinRes – 36 months



**Study flexibly with online learning**



**This programme is available to study as individual CPD modules.**

## Entry requirements

2:2 honours degree in a healthcare-related programme, MBBS, BDS, or international equivalent. You must work in a relevant field, have two years' post-qualification experience and a workplace mentor to support you in your studies (MClinRes and PGCert only).

## Course overview

**Designed in collaboration with Newcastle Health Innovation Partners, our suite of Clinical Research programmes are suited to healthcare professionals looking to progress to research roles or increase research output in their field. You'll gain a comprehensive understanding of the processes involved in planning, conducting analysing and writing-up clinical research. All teaching is set against the context of your workplace, helping you to consolidate and contextualize the theory you'll learn.**

Our Clinical Research programme has been created with the flexibility to suit working professionals. You'll learn online, so you can choose to study anytime, anywhere and fit your studies around your other commitments.

We also offer the programme in a range of qualifications. The programme is available to study as a Masters of Clinical Research, Postgraduate Diploma, Postgraduate Certificate or individual modules (CPD). This allows you to tailor the qualification to your career requirements and interests.

## Course features

- Taught online through remote learning, allowing you the flexibility to fit the course around work and other commitments.
- Opportunity to interact with other trainees and academic staff, asynchronously through discussion boards and in real-time during live webinars.
- Learn from our highly experienced clinical researchers who are at the forefront of world-leading research in this sector.
- Students on the MClinRes programme will complete an original, independent piece of research through the dissertation project.
- Interaction with your peers on the programme will expose you to a broad range of global healthcare professionals.

## What you will study

Our courses are suitable for any clinical research topic, including medical, surgical, mental health and allied health care. Through compulsory modules, you'll develop the necessary skills to undertake study design and governance in clinical research. You'll appraise good clinical practice principles, learn to recognise academic scholarship and differentiate between different forms of clinical research.

A **Postgraduate Certificate** is awarded if you successfully complete **60 credits** (three 20-credit modules).

A **Postgraduate Diploma** is awarded if you successfully complete **120 credits** (six 20-credit modules).

A **Masters in Clinical Research** is awarded if you successfully complete **180 credits** (six 20-credit modules and the 60-credit dissertation module).

Those studying the PGCert Clinical Research (standard pathway) will become familiar with the different processes involved in clinical academic writing and develop key skills suited to writing research proposals, grant applications, case reports and manuscripts for both medical textbooks and journals.

Those on the PGCert Clinical Research (research delivery pathway) will focus on the importance of clinical research delivery and the surrounding research culture, self-evaluate core skills and develop as future leaders in clinical research.

Those studying the MClInRes and PGDip will build the rest of their programme through optional modules, creating a bespoke programme based on their interests and career aspirations. Each 20-credit module runs for 11-12 weeks, with the exception of the 60-credit dissertation module which runs over the full academic year for those studying on the MClInRes.

Examples of some of the modules across our programmes include:

- Clinical Trials
- Clinical Research with Older People
- Data Management and Communication of Clinical Research: Doing Clinical Research well
- Integrity, Infrastructure and Information Governance in Healthcare Research
- Writing in a Research Setting

Assessments are practice-based and designed to mirror real-world clinical research work. As well as more traditional assessment types such as essays and reports, you can expect oral presentations, research proposals and professional skills assessments.

MClInRes students will also be assessed on an original piece of clinical research, completed through the dissertation project. Supported by Newcastle University staff and a workplace mentor, this opportunity to undertake an independent research project allows you to study in-depth a topic of your choosing and contribute to the University's world-leading research output.

## Graduate destinations

Many of our graduates go on to progress their career in a research-intensive clinical environment. Our courses are also for anyone wishing to introduce clinical research into their workplace.

Some of the roles our graduates have gone onto include:

- Academic clinical fellows
- Research nurses
- Project leads
- Research managers
- Healthcare professionals involved in research studies

Many of our students have successfully been published in peer-reviewed journals. As a result, some of our graduates decide to undertake further study. Our course provides a suitable route to PhD study.



### At a glance

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**Apply through the National School of Healthcare Science**



**Course duration:**  
36 months part-time



**Professional accreditation:**  
This course is accredited by the National School for Healthcare Science Accreditation Unit.

### Entry requirements

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Applications are accepted either through direct entry or in-service route, both via the National School of Health Care Sciences (NSHCS).

### Course overview

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**This flexible accredited qualification is available to those who are working in the healthcare science workforce. It is designed to suit your specific career requirements and provides all the essential knowledge and training to become a registered Clinical Scientist.**

Based on the expertise of our staff, we offer two pathways through the programme.

The Medical Physics pathway offers specialisms in the areas of:

- Radiotherapy Physics (5249P)
- Radiation Safety and Diagnostic Radiotherapy (5250P)
- Nuclear Medicine (5251P)
- Imaging with Non-Ionising Radiation (5252P)

The Physiological Sciences pathway offers specialism in the areas of:

- Cardiac Science (5253P)
- Vascular Science (5254P)
- Gastrointestinal Physiology (5256P)

You will elect to study one specialism, allowing you to tailor your studies to your interests, while still feeling part of a wider clinical science community.

### Course features

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- Flexible options to tailor the programme to your career aspirations.
- Teaching is delivered by a varied team of practicing Clinical Scientists, consultants, clinical networks and departments.
- Outreach opportunities for patient-public interaction are built into the programme.
- Access to state-of-the-art specialist facilities from Newcastle University and Newcastle Hospitals NHS Foundations Trust.
- Join a vibrant research community of staff, students and practitioners based in the Faculty of Medical Sciences.

## What you will study

This programme combines academic and workplace learning. Delivered through structured residential teaching blocks and online study, you'll have the opportunity to learn from those who are already working in the sector.

Due to the nature of the programme, you'll study a tailored programme based on the specialism you choose. Across the seven specialisms, we teach a broad range of topics, including:

- cardiac science
- clinical assessment and investigation
- electrocardiography
- imaging with ionising and non-ionising radiation
- lower and upper gastrointestinal physiology
- nuclear medicine
- professional practice and clinical leadership in healthcare science
- radiation safety
- radiotherapy physics
- research skills for health care professionals
- respiratory and sleep science
- ultrasound imaging
- urodynamic science
- vascular science

All students will complete an independent and original research project, relevant to your workplace. Information about the modules for each specialism are available online:

[ncl.ac.uk/postgraduate/degrees/5253p](http://ncl.ac.uk/postgraduate/degrees/5253p)

You'll be assessed through a wide range of assessment types. As well as traditional assessment formats such as essays and a dissertation, assessments can be in the form of reflective logs, oral presentations and practical lab reports. Assessments are designed to reflect the type of work undertaken in a real healthcare setting.

## Graduate destinations

This programme is designed to support the career development and upskilling of those who are already working in a healthcare setting. Successful completion of this course qualifies you as a Clinical Scientist.

Graduates have also gone on to further study, using this programme and the skills developed in the research project as a springboard for a PhD qualification.



# Cognitive Behavioural Therapy

## PGDip

Course code **3550F**

### At a glance

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**A graduate in an approved mental health profession or a graduate in a relevant discipline experience with equivalent experience.**



**Course duration:**  
12 months full time  
Part time option available  
(18 months)



**Professional accreditation:**

Level2 British Associate of Behavioural and Cognitive Psychotherapies

You can apply through an NHS England funded pathway, or as a self-funder. Find out more about the entry requirements at:

[ncl.ac.uk/postgraduate/degrees/3463p/](http://ncl.ac.uk/postgraduate/degrees/3463p/)

Although most candidates are expected to work for health organisations, applications are also encouraged from education, forensic, voluntary and private sectors where there are relevant and equivalent prior qualifications and on-going provision of individual psychological therapies are within the applicants' post. Applicants coming through the self-funded route will be expected to organise their own placements.

### Entry requirements

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Eligibility to apply for this programme is set by the British Association of Behavioural and Cognitive Psychotherapies (BABCP). You must be:

- A graduate in an approved mental health profession (e.g. nursing, psychology, psychiatry, education, counselling, social work), or a graduate in a relevant discipline experience with equivalent experience (e.g. Psychological Wellbeing Practitioner) as demonstrated by a Knowledge Skills and Attitudes (KSA) Portfolio.
- In stable employment with the support of your employer to undertake this training.
- In a placement or work setting where you are able to treat appropriate clients using CBT.
- Fluent in spoken and written English.

### Course overview

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**Cognitive behavioural therapists work with a wide range of people with emotional and psychological difficulties. They help people to understand and change the patterns of thinking and coping that have led to their difficulties.**

Our programme is delivered by highly committed and experienced CBT therapists, trainers and supervisors, and is designed to train you in evidence based, innovative CBT approaches. We aim to recruit trainees who share our values. You will be someone who places client care at the heart of

everything you learn and do. You will be committed to your own personal and professional development and aspire to become a skilled CBT therapist who can adapt therapy to individuals from a range of diverse backgrounds enabling people to reach their full potential.

On this award you will learn the underpinning theory and skills necessary to carry out effective cognitive behavioural therapy with adults with common mental health difficulties. The award is geared towards healthcare professionals who have already undertaken some introductory CBT training and who want to enhance their skills in a clinical setting.

### Course features

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- Full time route comprised of two days of teaching and three days in a clinical setting.
- The course has a strong focus on skills practice and observing experienced therapists demonstrating clinical skills.
- Programme staffed by experienced therapists.
- Established course with an excellent reputation nationally.

## What you will study

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The taught aspect of this programme delivers the National Curriculum for High Intensity Psychological Therapists. The course enables you to develop competency in CBT for anxiety disorders and depression, and to become a skilled practitioner in this therapeutic approach.

To develop your knowledge, you'll study a suite of core modules:

- **Fundamentals of CBT:** develop core knowledge and practical competency in the fundamentals of CBT.
- **CBT for anxiety disorders:** develop knowledge, skills and attitudes in the cognitive-behavioural treatment of anxiety disorders to CBT practitioner level.
- **CBT for Depression:** develop knowledge, skills and attitudes in the cognitive-behavioural treatment of major depression to CBT practitioner level.
- **Accreditation portfolio:** consolidate core CBT knowledge, skills and attitudes to extend the use of these approaches to meet the needs of patients with more complex needs.

You'll learn through workshops, demonstrations, skills practice, practice-based learning and seminars. There is a strong focus on reflective practice and learning through experience, with ample opportunity to gain feedback and advice.

You will take part in regular university-based clinical supervision sessions to enable you to apply skills learned in teaching sessions. We focus on problem-based learning, so you'll graduate with the ability to apply what you have learned to any patient you come across.

You'll be assessed through a wide range of assessment types. As well as traditional assessment formats such as essays and reflective logs, assessments can be in the form of case studies and professional skills assessments.

## Graduate destinations

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Cognitive behavioural therapists are in high demand nationally. Many of our graduates work in the NHS, voluntary sector and private healthcare organisations. Examples of recent graduate employers include:

- Tees, Esk and Wear Valley NHS Foundation Trust
- Vita Health Group
- Northumberland Talking Therapies

This course has achieved level 2 accreditation with the British Association of Behavioural and Cognitive Psychotherapies. Graduates are able to apply for professional accreditation as a cognitive behavioural therapist and have access to a wide range of employment opportunities.



# Conscious Sedation in Dentistry

## PGCert

Course code  
**3182P**

### At a glance

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**Primary dental qualification and full registration with the UK General Dental Council**



**Course duration:**  
part time, 12 months



**Study flexibly with online learning**

### Entry requirements

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Primary dental qualification (such as a BDS, BChD, DDS, or international equivalent), full registration with the UK General Dental Council, professional indemnity certificate and documentary evidence of attendance at ILS and PILS courses or equivalent within 24 months prior to entry is required.

There are clinical access requirements as your clinical placements will be within the Newcastle Dental Hospital clinics. You must have:

- been granted clinical access by the Newcastle Hospitals NHS Foundation Trust before starting this placement.
- the required immunisation against blood-borne viral diseases and you must not have any disease which would constitute a hazard to patients.

You will be given a health check soon after registration by the Occupational Health Department of the Newcastle Hospitals NHS Foundation Trust.

Failure to obtain the necessary access will result in your automatic withdrawal from the course.

### Course overview

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**Our postgraduate certificate programme in Conscious Sedation in Dentistry is designed for professionals currently working in dental healthcare who are looking to expand their skills. Teaching is centred on the theoretical knowledge and core skills required for career progression.**

This programme provides the theoretical principles, core skills and clinical experience of intravenous and inhalational sedation techniques used in UK practice. This programme is one of the few in the UK that provides dentists with a Level 7 PG Certificate training in sedation.

### Course features

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- This programme designed to be studied flexibly, allowing you to complete your learning around existing commitments.
- This programme is specifically tailored for those currently working in the dental healthcare sector.
- Teaching delivered by our world-leading staff with extensive experience of clinical education and delivery in a dental setting.
- Opportunities for interactive discussion, problem solving and skills practice throughout the programmes.

- All study days and clinical sessions on the Conscious Sedation in Dentistry PGCert programme take place at the Newcastle Dental Hospital.

## What you will study

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The Conscious Sedation in Dentistry programme consists of three compulsory modules:

- Scientific basis of Dental Sedation
- Management of Patients Undergoing Dental Sedation
- Clinical Practice of Intravenous and Inhalational Dental Sedation

The delivery of this programme consists of four days of lectures and seminars and 15 supervised clinical attachment sessions. All study days and clinical sessions take place at Newcastle Dental Hospital.

Assessments on this programme are varied and designed to reflect real-like working. Assessment types include:

- critical essays
- clinical portfolio and reflective log
- structure Clinical Operative Tests
- objective Structured Clinical examination

## Graduate destinations

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The purpose of this programme is to enhance your existing dental skills and knowledge, support career progression.

Successful completion of the Conscious Sedation in Dentistry PGCert provides you with the knowledge and skills to practice conscious sedation as an independent practitioner.



### At a glance

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**A relevant primary dental degree.**



**Course duration:**  
part time, 12 months



**Professional accreditation:**  
the Dental Education course is accredited by the Academy of Medical Educators.

### Entry requirements

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A relevant primary dental degree (such as a BDS, BChD, DDS, or international equivalent) or a 2.1 Bachelor (Hons) degree (or international-equivalent) in Dental Hygiene and/or Dental Therapy.

### Course overview

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**Our Dental Education PGCert provides dental professionals with a flexible and practice-based opportunity to develop a scholarly approach to dental education and enhance educational practice, skills and knowledge.**

You'll learn to:

- use theories and principles underpinning clinical education to inform your own educational practice and the practice of others
- relate educational issues in clinical practice to a wider educational context
- critically appraise theory, 'evidence' and empirical data as well as your own practice
- take a strategic approach to your own identified educational needs and plan appropriately to address these needs
- design and deliver educational interventions.

### Course features

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- Programme designed to be studied flexibly, allowing you to complete your learning around existing commitments.
- Specifically tailored for those currently working in the dental healthcare sector.
- Teaching delivered by our staff with extensive experience of clinical education with study days tailored to dental educators building your experience in a dental environment.
- Opportunities for interactive discussion, problem solving and skills practice.

### What you will study

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The Dental Education programme consists of three modules. Two modules are compulsory:

- Teaching and Learning in the Classroom
- Teaching and Learning in the Dental Workplace

Students can then choose one of two optional modules to complete their studies:

- Understanding Programmes of Learning
- Current Educational Issues

The delivery of this programme is blended, with the first (Teaching and Learning in the Classroom) and third (option) modules delivered exclusively online. Teaching for these modules is released in weekly blocks, allowing you to study flexibly around existing commitments. Both modules include a study day, to be completed either online or in-person, to complement the online material. The second (Teaching and Learning in the Dental Workplace) compulsory module includes three in-person study days, complimented with associated reading and independent study. All in-person study days take place at the Newcastle University School of Dental Sciences.

Depending on your modules, assessments types include:

- essays
- reports
- reflective logs
- written exercises

## Graduate destinations

The purpose of this programme is to enhance educational practice, skills and knowledge. This is aimed to support career progression and broaden career options.

This programme is designed for dental professionals aspiring to be clinical supervisors in undergraduate and/or postgraduate programmes, Foundation Dental Supervisors and Therapist Educational Supervisors. Current clinical and Educational Supervisors may also want to build on their skills, experience and qualifications.



# Endodontics Periodontics Prosthodontics MClinDent

Course code  
**various**  
all listed in  
the course  
content

## At a glance

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A primary dental degree and  
3+ years of postgraduate  
clinical practice



Course duration:  
36 months, full-time.



Gain hands-on experience in a  
clinical setting

## Entry requirements

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A primary Dental degree (BDS, BChD, DDS) and a minimum of three years of postgraduate clinical practice equivalent to foundation dental training and dental core training in the UK. Applicants must be currently working in a clinical practise. Fellowship of the Faculty of Dental Surgery (FDS) or Membership of the Faculty of Dental Surgery (MFDS) from one of the UK Royal Colleges is desirable.

## Course overview

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**Our suite of MClinDent programmes have a common foundation of restorative dentistry. We have created three bespoke options to enable dentists to acquire specialist skills and knowledge in the fields of:**

- Endodontics (5877F)
- Periodontics (5878F)
- Prosthodontics (5879F)

All three elements will be studied in stage 1 of the MClinDent and will remain a common theme in stages 2 and 3 as you continue in your speciality. The programmes are designed to provide learning opportunities that mirror the requirements as stipulated in the General Dental Council curricular in these dental specialities.

## Course features

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- Extensive clinical experience at the Newcastle Dental Hospital with supervised clinics from the start of January in year 1, extending throughout the following two years of the programme.
- Clinical experience designed to support successful students presenting themselves for Royal College membership examinations.
- Working directly and alongside clinical experts in their specialist fields.
- Developing knowledge and skills to become a specialist with a wider context of integrated clinical care for patients under the umbrella of restorative dentistry.

## What you will study

**Endodontics:** focus on pulp and periapical disease, including post-treatment disease and the complications of dentoalveolar trauma that present a significant disease burden worldwide. Train with Newcastle University to gain specialist-level skills and knowledge for endodontic clinical practice, and to engage in endodontic education, research and scholarship.

**Periodontics:** focus on the periodontium and how it can be affected by a wide range of diseases and conditions including periodontitis, one of the most common inflammatory diseases worldwide. This course will equip you with the skills to provide specialist level care for the diagnosis, prevention and management of periodontal diseases as well as the placement and restoration of dental implants.

**Prosthodontics:** focus on the replacement of missing teeth and the associated soft and hard tissues experienced by so many of the world's population. By providing implant supported and conventional prostheses like crowns, bridges, dentures we seek to alleviate the impacts of tooth loss on life. Learn with Newcastle University to gain and integrate the specialist skills, knowledge and understanding in prosthodontics to do this for your patients.

You'll be assessed through a combination of:

- dissertation
- essays
- professional skills assessments
- oral examinations
- oral presentations
- vivas
- written digital examinations

You will be taught through a range of seminar classes, one-to-one tutorials with qualified professionals and placements in clinical service. Teaching takes place in the School of Dental Sciences, equipped with state-of-the-art facilities, research laboratories and a clinical research faculty.

Your clinical placement will be within the Newcastle Dental Hospital clinics. You must have:

- been granted clinical access by the Newcastle Hospitals NHS Foundation Trust before starting this placement.
- the required immunisation against blood-borne viral diseases and you must not have any disease which would constitute a hazard to patients.

You will be given a health check soon after registration by the Occupational Health Department of the Newcastle Hospitals NHS Foundation Trust. Failure to obtain the necessary access will result in your automatic withdrawal from the course.

## Graduate destinations

This qualification supports the career progression of those already working in the sector.

Our graduates have progressed to careers in:

- enhanced dental practice
- specialist clinical practice
- specialist clinical consultant positions (in the UK and abroad)
- senior academic posts



# Clinical Exercise Physiology

## MSc

Course code  
**5430F**

### At a glance

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**2:1 honours degree**



**Course duration:**  
12 months



**Gain hands-on experience of gold-standard physiological assessment techniques and equipment**

### Entry requirements

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Minimum 2:1 Honours degree or equivalent in a relevant subject

### Course overview

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**Our Exercise Physiology programme prepares you to become a reflective, responsible and independent exercise physiologist. Through interactive modules, research components and exposure to key industry partners, you'll develop the knowledge and skills to become an independent scientist with a solid foundation in exercise physiology.**

You'll study a broad range of modules and gain a comprehensive overview of the key exercise physiology topics relating to health, performance and disease. This will help you identify the areas of exercise physiology that interest you most.

Newcastle University is the only Russell Group university in the UK to offer a Master of Science in Exercise Physiology. Our staff are experts in their field, delivering world-leading research. You'll benefit from our research-led teaching, which ensures you're engaging with the most current research in the sector.

### Course features

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- Get hands-on experience of using gold-standard physiological assessment techniques, including respiratory, cardiovascular, neuromuscular, immunological function and metabolic control.
- Access to our excellent facilities and state-of-the-art equipment including a physiology lab, wet lab, performance lab, neuromuscular lab and environmental chamber.
- Benefit from our close partnerships with local sports teams such as the Newcastle Falcons and Newcastle United, including a practical session on medical screening of players.
- Small cohort sizes ensure that you have the best support from our dedicated tutors.
- Interaction with the renowned Newcastle University Research Institutes through both teaching and research projects.

## What you will study

Our curriculum is designed to increase the employability aspects of our graduates. With input from a wide range of industry partners, key stakeholders and practitioners, our teaching is based on the most contemporary and relevant topics in the sector.

The course covers a broad range of topics, allowing you to identify which areas of physiology you are most interested in. You'll explore the role of exercise in the prevention and management of diseases, the pathophysiology of chronic health conditions and physiological assessments relevant to elite performance.

The practical elements of our course provides you with hands-on experience of using gold-standard physiological assessment methods. You'll learn how to take neuromuscular assessments, measure immune and respiratory function, as well as cardiopulmonary exercise testing and electrocardiography.

You'll also undertake a piece of original research as part of your dissertation. Choosing a topic from a list of areas that our staff are currently working on, you'll collaborate to work on a live research project. With the potential to get your work published, you'll become embedded in research currently being undertaken by our faculty staff members.

Dissertation topics are unique, niche and varied. They provide an opportunity for you to study a topic of your interest in-depth. Some examples of previous dissertation topics include:

- appetite regulation in the elderly: protein consumption, vegan supplements versus meat protein.
- effects of acute exercise on the DNA's damage and repair in individuals at risk of prostate cancer.
- integrative effects of neuromuscular fatigability on metabolic and cardiopulmonary responses to exercise.
- effect of dehydration on cardiac function measured via echocardiography.

## Graduate destinations

Successful completion of this programme qualifies you to work as an exercise physiologist in both clinical and applied roles. As such, our graduates have gone on to work for a wide range of employers in the private and public sectors.

Some graduates also choose to use the MSc as a springboard for further study, such as a doctoral degree.

Some recent examples of roles that our graduates have gone on to do include:

- Sport Scientist at Harrogate Town Football Club
- NHS Clinical Scientist
- Trainee echocardiographer in the NHS
- PhD in clinical exercise physiology at Newcastle University
- Exercise Physiologist at British Oxygen Company LTD



# Foundations in Clinical Psychology MSc

Course code  
**5202F**

## At a glance

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**2:1 honours degree  
in psychology**



**Course duration:**  
12 months



**Practitioner-led teaching.  
Learn from working therapists  
and clinicians**

## Entry requirements

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2:1 honours degree or international equivalent in psychology or a related subject. We also require a mark of at least 65%, or equivalent, in the final year research project and a consistent profile of grades at the 2.1 level or above throughout the course of the degree.

## Course overview

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**This programme focuses on the key principles, methods and broader context of clinical psychology to equip you with the skills required to work in the fields of clinical and applied psychology and research.**

As well as world-class tuition, you'll benefit from outstanding pastoral support and become part of a close-knit community of students, researchers and practitioners. Students are encouraged to collaborate with each other and the wider learning community, through group work and role-play.

There is also an optional research apprenticeship module, designed to provide practical experience working under the supervision of an established researcher in a field related to clinical or health psychology.

## Course features

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- Our broad range of optional modules allow you to tailor the programme to your interests and career aspirations.
- The dissertation project has a focus on psychological methodology, providing you with the opportunity to complete an original piece of research on a topic of your choosing.
- Learn from working therapists and clinicians with our practitioner-led teaching.
- Opportunity to apply for a one-year NHS clinical internship in the area of mental health.

## What you will study

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Through core modules, all students will develop a strong foundation in topics related to:

- clinical psychology
- health and forensic psychology
- neurobiology and human development
- research skills and conducting research

You'll then be able choose from a range of optional modules, allowing you to create a bespoke programme based on your interests. Topics include:

- applied professional psychology skills
- cultural and historical issues
- interception and mental health
- legal psychology and the criminal justice system
- neurodiversity

You will be taught through a range of seminar classes, workshops, and one-to-one tutorials with practitioners. Teaching typically takes place in the newly built Dame Margaret Barbour Building, equipped with state-of-the-art facilities.

Depending on the modules you choose, you'll be assessed through a wide range of assessment types. As well as traditional assessment formats such as essays and reflective logs. Assessments can also be in the form of oral presentations, posters and professional skills assessments.

## Graduates destinations

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Our graduates have progressed to careers in a range of roles, such as:

- Assistant psychologist positions within the NHS
- Trainee psychological wellbeing practitioner
- Roles relevant to applied psychology

A number of our graduates have ultimately gone on to study a Doctorate in Clinical Psychology. This course is also suitable if you are considering a research career in psychology. Graduates may also go on to undertake PhDs in the field.



# Low Intensity Psychological Therapies PGCert

Course code  
**3196F**

## At a glance

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**NQF 5 and relevant experience**



**Course duration:**

12 months full time. Part-time study options are also available.



**Professional accreditation:**

BPS accredited (British Psychological Society)

## Entry requirements

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This course is only open to NHS-commissioned applications, you can find many funded opportunities to train on this programme at the NHS careers website:

[healthcareers.nhs.uk/explore-roles/psychological-therapies/roles/psychological-wellbeing-practitioner%C2%A0](https://healthcareers.nhs.uk/explore-roles/psychological-therapies/roles/psychological-wellbeing-practitioner%C2%A0)

An NQF 5, or international equivalent. You will also require relevant experience, voluntary or paid, of working with individuals who experience mental health difficulties.

## Course overview

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This course is part of the NHS Talking Therapies programme which trains Psychological Wellbeing Practitioners for NHS employment.

Part of the NHS's innovative approach to mental health, the programme focuses on helping those who are experiencing depression and/or anxiety. You'll learn through a mix of theoretical knowledge and clinical skills and gain an understanding of evidence-based psychological therapies.

## Course features

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- Professionally accredited by the British Psychological Society (BPS) will equip you with the skills to support people experiencing depression and anxiety.
- Application of theory-led practice throughout the year to develop competence as a psychological wellbeing practitioner.
- Opportunities to specialise your training to support patients from diverse backgrounds, including patients with disabilities, those in the LGBTQ+ community and those from a range of ethnic backgrounds.

## What you will study

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During the course, you'll study four compulsory modules:

- **Engagement & Assessment of Patients with Common Mental Health Problems.** This module will develop your understanding of the epidemiology of the common mental health problems and improve your skills in interviewing, assessing and decision-making within the NHS Talking Therapies care remit.
- **Evidence-Based Low-Intensity Treatment for Common Mental Health Disorders.** This module will develop your understanding of therapeutic support and develop general and disorder-specific competencies in the delivery of

Cognitive-Behaviour-Therapy (CBT) based low-intensity treatment and other behaviour change techniques.

- **Values, Diversity & Context.** This module will develop your awareness of concepts around diversity, inclusion and multi-culturalism. It will equip you with the necessary knowledge, attitudes and competencies to operate in an inclusive value-driven mental health service.
- **Low Intensity Clinical Placement.** This module allows you to obtain the clinical experience in using low intensity clinical approaches within a practice context.

Each module has its own assessment criteria. You'll be assessed through a combination of:

- essays
- observations of clinical practice
- oral presentations
- portfolios
- reports
- written examinations

You will be taught through a range of lectures and workshops, seminar classes, one-to-one tutorials with qualified therapists and placements in clinical service. Teaching takes place in our new Dame Margaret Barbour Building, equipped with state-of-the-art facilities.

Placements are currently provided around the North East of England. The placements are clinical services that treat individuals experiencing common mental health problems.

## Graduate destinations

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Successful completion of this programme qualifies you as a full-time therapist as a psychological wellbeing practitioner. This qualification can support the progression of those already working in the NHS and mental health sector. It can also enable progression in a clinical psychology career.



# Medicine and Surgery (Accelerated Programme) MBBS

Course code  
**A101**

## At a glance

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**2:1 honours degree**



**Course duration:**  
four years



**Professional accreditation:**  
this degree is professionally  
accredited by the General  
Medical Council (GMC)

## Entry requirements

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Minimum 2:1 honours degree or equivalent, or integrated master's degree. You are also required to be a practicing health care professional with three years post-registration experience in a role with significant patient contact.

## Course overview

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**Our four-year accelerated medicine programme is designed for graduates of any discipline who wish to train as a doctor. We also welcome applications from those with significant prior professional experience with patient contact.**

We use a modern and innovative integrated case-led teaching approach. This teaching style will prepare you to work as a doctor anywhere in the world, in both the clinical and academic arena.

We have been teaching Medicine in Newcastle since 1834, making us one of the oldest medical schools in the UK. We regularly review and introduce new initiatives to our programme to ensure our students graduate as confident and professional clinicians. You'll benefit from almost 200 years experience of Medicine teaching experience and our world-leading expertise in medical research.

## Course features

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- Excellent clinical training opportunities – patient population of 3.5 million.
- World-class facilities including clinical skills and anatomy lab.
- Opportunity to undertake self-selected study in your area of interest via our student selected components.
- Extensive intercalation options offering the chance to develop new perspectives on healthcare, research and education.
- Bespoke online learning environment.

## What you will study

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You'll complete the syllabus of years 1 and 2 of our five-year programme in one extended 45 week academic year. You'll be based primarily on campus in Newcastle, learning key subject areas via 25 clinical cases which put your learning into context and provide you with the essentials of medical practise.

Following completion of the extended year 1, you are integrated into year 3 of the common pathway alongside undergraduate students on our five-year course.

Throughout the final three clinical years, our innovative curriculum continues a case-led approach, incorporating early patient contact and immersive clinical experience. You'll undergo a series of rotations, clerkships, assistantships and placements that cover all relevant areas of medicine and surgery.

Throughout these clinical years of the programme there will be opportunities for student choice. This includes two four-week student selected components and an eight-week elective as well as opportunities for an intercalated master's degree.

## Graduate destinations

Successful completion of this programme qualifies you to apply for provisional registration with the General Medical Council (GMC) with a license to practise. The majority of our students decide to apply for foundation posts within the region.

Once you have completed the first year of the two-year national foundation programme (FY1) and gained the certificate of experience, you should gain full registration with the GMC. This is followed by a further year of generic training (FY2). On successful completion of your second year,

all doctors will have achieved the same basic competencies before going on to select their speciality of choice.

The main employer for our graduates is the NHS. Roles within the NHS include:

- foundation doctors, academic foundation doctors
- teaching posts working with undergraduate students
- research posts studying for a PhD
- GP training posts
- consultant training posts in specialities from anaesthetics to urology
- consultants
- GPs
- university academics
- medical directors

Roles outside of the NHS include:

- consultant in occupational medicine for the British Army
- Leeds United FC club doctor
- chief medical officer for In Health
- global health leader - WHO
- fitness and physical activity expert and media personality – Dr Zoe Williams



# Medical Education

## MMedEd, PGDip, PGCert

Course code  
**various**  
all listed in  
the course  
content

### At a glance

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**An undergraduate degree in a healthcare profession or relevant discipline.**



**Course duration:**

Flexible study options – 12 months part time. Full-time study available for the MMedEd only.



**Professional accreditation:**

This programme is recognised by the Higher Education Academy (HEA) and has been awarded Accreditation Plus status by the Academy of Medical Educators.

### Entry requirements

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An undergraduate degree, or equivalent qualification, in a healthcare profession or relevant discipline.

If you are applying for the PGDip you must have completed the PGCert in Medical or Clinical Education. If you are applying for the part time MMedEd you must have completed the PGDip in Medical or Clinical Education.

If you are applying for part time study you must be working in a role that involves medical education for the duration of the course.

If you are an intercalating medical student applying for the MMedEd you must have:

- completed your third or fourth undergraduate year
- passed all assignments on first attempt

### Course overview

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Our Medical Education programme provides you with the theoretical and practical skills required to train or supervise clinical employees at work. This programme is suitable for those currently working in a healthcare setting, interested in medical education or those with a scientific background. Our team will help you to draw on your existing experiences to excel in your educational practice, giving you the skills to train, motivate and engage the next generation of medical professionals.

The Medical Education programme is part of the School of Medicine at Newcastle University. This means our expert teaching team are integrated into undergraduate medical teaching and postgraduate physician associate teaching. Our Faculty of Medical Sciences practices interdisciplinary learning, meaning you will benefit from expertise in other areas, including our fantastic Dental School. We also have close links with NUMed Malaysia, and NUMed staff also teach within our programme.

The flexible nature of the programme allows you gain the right qualification to suit your development needs. You can study Medical Education as the following qualifications:

- PGCert (3146P)
- PGDip (3510P and 3531P for the accelerated route)
- MMedEd (5445F and 5446P for the accelerated route).

You'll learn the fundamentals of 'how to teach' in the context of a clinical setting. More importantly, you'll develop the knowledge and experience to understand which teaching approach to take with a variety of different trainees in unusual educational settings. You'll graduate with the ability to apply what you have learnt to any healthcare sector.

## Course features

- This programme is taught completely via online, distance learning. This allows you greater flexibility to fit teaching around work and other commitments.
- Optional in-person study days (repeated and recorded online) and drop-in sessions provide support throughout the programme.
- Tailor the programme to the qualification you need to progress in your sector.
- Through our broad range of optional modules, you can tailor the content of the programme to your interests and career aspirations.
- We offer accelerated routes for the Masters and PGDip routes, and we accept applicants onto these routes who have completed a PGCert from another institution.
- Be part of an engaging and varied online community and learn alongside a truly global community of trainees.

## What you will study

Regardless of which qualification you choose, you'll learn the fundamentals of teaching and be introduced to the literature about learning methods.

You will learn through a combination of compulsory and optional modules. Each 20-credit module runs for 11-12 weeks, with the exception of the 60-credit dissertation module which runs over the full academic year for those studying on the MMedEd.

A **postgraduate certificate** is awarded if you successfully complete 60 credits (three 20-credit modules– to include the compulsory Teaching and Learning in the Classroom module).

A **postgraduate diploma** is awarded if you successfully complete 120 credits (six 20-credit modules– to include the compulsory Scholarship in Medical Education module).

A **masters in Medical Education** is awarded if you successfully complete 180 credits (six 20-credit modules and the 60-credit dissertation module).

Examples of some of the modules on offer, include:

- Teaching and Learning in the Workplace
- Current Educational Issues
- Utilising Technology in Medical Education
- Assessment in Medical Education
- Scholarship in Medical Education

Each module is delivered in two-week strands, including various activities that you can complete at any time. There are weekly tutorials which are optional. We record these in case you are unable to be present. There is also a day of practical activity and discussion for each module which takes place on-campus. This activity will also be recorded for those unable to attend in-person.

## Graduates destinations

Upon completion of this programme, you'll be able to use theories and principles of medical education to inform your own practice and others' and engage in academic debate about educational research and practice.

Our graduates go on to progress in a wide range of roles in the NHS, private practices and global medical settings.



## At a glance

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An undergraduate degree in a healthcare or relevant discipline.



**Course duration:**  
12 months full-time

## Entry requirements

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BSc/BDS in a healthcare or biosciences related degree with a minimum of 2:2 or international equivalent.

## Course overview

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The mouth is the gateway to the body and a window to our overall health and wellbeing. However, oral diseases continue to be a major burden globally. It is now well established that there are two-way links between oral diseases and systemic diseases such as diabetes, rheumatoid arthritis, inflammatory bowel diseases and endocarditis.

## What you will learn

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Delivery of effective oral health care to promote the overall health of a population continues to be a major challenge to healthcare systems globally. This exciting MSc programme will offer world-leading teaching in oral sciences. You'll examine the latest research technologies and theories to advance the diagnosis and treatment of oral diseases.

We will explore how the latest research is informing delivery of oral healthcare in the UK and beyond. This will include:

- the epidemiology of oral diseases
- how health services are designed to address the challenges of oral disease prevention and treatment
- how care and research can be delivered to include vulnerable groups.

You will gain advanced knowledge and understanding in:

- the latest cutting-edge research methodologies and their application in furthering our understanding of oral diseases and identification of novel methods of diagnosis, treatment, and management.
- the role of cutting-edge research in the development of novel dental materials
- the role of cutting-edge research in developing our understanding of the oral microbiome and its impacts on oral health and systemic diseases
- the role of cutting-edge research in furthering our understanding of the oral immune response, and its links to systemic diseases, as well as means of manipulating the immune system as a therapeutic strategy.
- novel methods for health services and public health research and how their application is informing improved ways of delivering oral healthcare in the 21st century
- the application of health in oral health and in particular how economic evaluations are conducted and can inform policy and clinical practice
- the importance of oral health, in overall human health and the bidirectional links between oral infectious diseases and systemic conditions

This course is typically taught and based on the Newcastle campus. It is delivered by the School of Dental Sciences. You'll be taught using a range of methods, including:

- group discussions
- group seminars
- lectures
- laboratory practicals
- theoretical practicals
- group work and presentations
- invited research presentations

Your specialist skills and knowledge will be developed through a combination of:

- data analysis reports
- written reports
- oral presentations
- a dedicated research project

## Graduate destinations

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Graduates will be well placed to pursue a range of roles including:

- PhD student at UK or overseas universities
- Lecturer in microbiology
- Clinical lecturer
- Principal scientist for a multinational oral health care company

# Physician Associate Studies

## MSc

Course code  
**BB96**

### At a glance

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**2:1 honours degree**



**Course duration:**  
24 months, full time



**Gain hands-on experience in a clinical setting**

### Entry requirements

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2:1 honours degree, or international equivalent, in a bioscience or related subject.

### Course overview

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**Our MSc programme in Physician Associate Studies will teach you the essential knowledge and skills required to work as a Physician Associate, providing patient care as an integral part of a multidisciplinary team,**

This two-year course offers a mix of university-based sessions and clinical placements. You will study a range of subjects including clinical skills, clinical reasoning, patient management, pharmacology, ethics and anatomy.

Studying the course will give you skills in patient consultation, requesting diagnostic test, interpreting test results, diagnosing illness and injury and promoting patient wellbeing and preventative health.

You will also undertake a dissertation in quality improvement in a subject of your choice.

Successful completion of this course will enable you to progress to sit the Physician Associate Registration Assessment (PARA).

### Course features

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- Develop clinical, communication and consultation skills from the start of the course with access to dedicated clinical skills labs.
- Over 1600 hours of clinical placement time across the two years.
- Flexibility to choose areas of interest to revisit as part of two apprenticeships in year 2.
- Complete an original and independent dissertation project.
- You'll be taught and supported by a multidisciplinary team of dedicated staff.

### What you will study

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The programme has a large focus on gaining practical experience of working as a Physician Associate in a clinical setting. Alongside learning the basic clinical theory, you will spend at least 1600 hours in clinical placements in regional NHS trusts and regional primary care settings.

You'll spend the majority of year 1 in teaching sessions to learn about key theories and knowledge. Teaching will take the form of lectures, role-play workshops, work in labs and independent study. You'll also undertake a longitudinal

placement in primary care one day per week, learning how to take histories and examine patients, and complete a five-week placement in a hospital-based setting to introduce the role of a Physicians Associate.

To develop your knowledge further, you will spend 32-weeks in secondary and primary care placements in year 2. On placement, you'll have the opportunity to put your knowledge into practice on a range of specialties including:

- emergency medicine
- mental health
- surgery
- obstetrics and gynaecology
- paediatrics

You'll also complete an eight-week apprenticeship, in an area of your choice.

You'll be assessed through a wide range of assessment types. Assessments can be in the form of observations and Objective Structured Clinical Examination (OSCE) and single best answer written papers. You will also complete an independent dissertation project.

## Graduate destinations

Successful completion of this course will enable you to progress to sit the Physician Associate Registration Assessment (PARA). Our graduates consistently perform well and are recognised as high performing, knowledgeable graduates.

The role of a Physician Associate is to work as a generalist within a healthcare team, working with a dedicated consultant or GP supervisor to deliver holistic care and treatment for patients in a variety of settings.

Our graduates have gone on to work in a wide range of primary care and secondary care setting, including:

- general practice
- emergency departments
- trauma and orthopaedics
- breast surgery
- assessment units
- respiratory medicine
- gastrointestinal medicine



## At a glance

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2:1 honours degree in relevant subject



**Course duration:**  
12 months full time



**Tailor your degree with optional modules**



**This programme is available to study as individual CPD modules.**

## Entry requirements

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Minimum of a 2:1 honours degree equivalent in a medical, health or social sciences discipline.

We also accept any current medical and dental students wishing to intercalate, following successful completion of third or fourth year of study.

## Course overview

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Our Public Health programme will equip you with the knowledge and research skills to address the most relevant public health and healthcare challenges. Supported by the teaching and supervision of academics actively involved in public health research, you'll build an understanding of key public health issues and transferable skills to improve population health in your future career.

## Course features

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- Study the topics that interest you most and design a truly bespoke course through our wide range of optional modules.
- Choose what level of qualification to study based on your career requirements.
- Opportunity to undertake an original, independent research project on a public or global health topic of your choice through the dissertation module.
- Learn from and be supervised by our world-leading researchers and academics who have extensive experience of public and global health policy and practice.



[Click to find out more](#)

## What you will study

The degree is designed to equip you with a critical understanding of the most relevant public health issues. You'll learn to understand and critique information and practice as well as how to advocate on behalf of patients and communities.

Through compulsory modules, you'll establish this knowledge base and focus on the fundamentals of research. Then you'll choose what to study from a broad range of optional modules. This flexibility in course content ensures you have the base knowledge of key topics and research skills while also allowing you to tailor the programme to your interests.

Each 20-credit module runs for 10-12 weeks, with the exception of the 60-credit dissertation module which runs over the full academic year.

Examples of some of our modules, include:

- Fundamentals of Research (compulsory)
- Introduction to Systematic Reviewing and Critical Appraisal (compulsory)
- Global Health
- Public Health Intervention
- Public Policy, Health and Health Inequalities
- Health Economics
- Health Care Quality
- Social Determinants of Health – Theory and Applications

You'll receive a mix of lectures, seminars and practical sessions. We encourage active learning through discussion, problem-solving and group work. Some teaching sessions may involve student presentations, and preparation or further reading.

Assessments are varied depending on modules you choose. As well as more traditional assessment methods such as written examinations and essays, you may be assessed through an oral presentation, case studies or reports.

## Graduate destinations

With the ability to tailor the programme to your interests graduates go on to a variety of sectors and jobs.

Our graduates have gone on to work in:

- government
- international organisations
- the voluntary sector
- healthcare and service delivery
- consultancies
- the private sector where there is involvement with providing healthcare and public services

Some graduates have also progressed to further study. Our course provides a suitable route to PhD study. The experience gained by working on an independent research project provides an excellent insight into a doctoral degree.



# Sport and Exercise Psychology

## MSc

Course code  
**5417F** (full time)  
**5417P** (part time)

### At a glance

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**2:1 honours degree**



**Course duration:**

12 months

Part-time study available  
(24 months)



**Professional accreditation:**

This programme is accredited  
by the British Psychological  
Society (BPS).

### Entry requirements

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Minimum 2:1 Honours degree or equivalent in a relevant subject.

### Course overview

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**Our BPS accredited MSc in Sport and Exercise Psychology provides the key knowledge and core skills needed to advance as a Sport and Exercise Psychologist. Our unique clinical approach to teaching and focus on professional development, means you'll qualify ready for the next step in your career.**

Through a series of dedicated modules, you will develop your understanding of psychology in a sport and exercise context, preparing you with the skills to develop better performance and wellbeing in individual and team-based sports. You'll also undertake an original piece of research as part of the dissertation project.

Newcastle University is the only Russell Group university in the UK to offer a Master of Science in Sport and Exercise Psychology. Our staff are experts in their field, delivering world-leading research. You'll benefit from our research-led teaching, which ensures you're engaging with the most current research in the sector.

### Course features

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- Access to our new, £32 million state-of-the-art sport facilities, including: exercise physiology lab, biomechanics lab, gait track, high performance lab, blood preparation and analysis lab and environmental chamber.
- Access to our bespoke psychology facilities, including a forensic interview suite, media and behaviour lab, medical consultation rooms, nutrition and food preference unit and psychological testing cubicles.
- Unlike other universities, our cohort is capped at a maximum of 20 students to ensure you have the best support from our dedicated tutors.
- Opportunity to network with professionals in the field and present at a global sport psychology conference.

### What you will study

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All students on this programme will progress together through a set of dedicated Sport and Exercise Psychology modules. These key modules provide the base knowledge and core principles relevant to the sector.

By the end of the programme, you will have learnt to:

- apply and evaluate psychological theory, strategy and techniques to facilitate performance enhancement and behaviour change.

- critically evaluate psychological research evidence in sports and exercise
- use a range of quantitative and qualitative skills as well as use advanced statistical and analytical methods.
- assess and devise appropriate interventions for performance enhancement.
- apply appropriate psychological skills and counselling techniques

You'll learn through a mix of workshops, seminars, small group work and case studies. Our innovative approach to collaborative and clinical teaching staff allows you to learn about clinical issues in sport today and how physical activity can be used to improve mental health.

The assessment methods are designed to reflect the type of work you would be expected to do in the sector. As well as gaining experience through case studies, observations, grant proposals, video pitches, podcasts and reports, you'll also have the opportunity to deliver workshops and practise your skills with Newcastle University student athletes.

## Graduates destinations

The course is designed for graduates who are looking to develop a career as a:

- sport and exercise psychologist
- performance psychologist

- sport and exercise scientist
- sports director
- sports coach
- academic researcher

Successful completion of this programme qualifies you to progress to the stage 2 training for Sport and Exercise Psychology. This qualification is required in order to practice in the field.

You will achieve a 'psychological literacy', leading to a range of successful careers and further study. You'll develop a diverse set of transferable skills during the course, including:

- experience of working with athletes in a real-life environment.
- the ability to use advanced statistical packages planning, managing and implementing tasks at a professional level.
- formulating hypotheses and applying research skills to create new knowledge.
- communicating effectively and confidently in both verbal and written formats.
- collaborating effectively in academic and non-academic environments.

The MSc also provides a route into sport and exercise psychology at PhD level.



# Research degrees

Our research has led to major scientific advances in patient healthcare regionally, nationally and internationally. A research degree provides you with the chance to study world-leading research and make a real difference to the quality of peoples' lives. Join us at the forefront of the translational medicine revolution.

Research Master's courses are centred around your own interests and are designed to further your knowledge of a specific subject. Studying a research Master's course offers you the opportunity to study a topic that you're passionate about, and that may not be available as a taught Master's course.

As the focus of a research Master's is on your specific research topic, more time is naturally given to independent study. You'll still have some teaching elements to introduce specific subjects or relevant skills, however. You'll also receive supervision from a team of academics, all experienced researchers in your chosen field of study who you'll work with to define your research project.

Because of its nature, a research Master's is a great option for people who would like to complete an original piece of research without the time commitment of a Doctoral award, or for people who are preparing to study for a Doctoral award in the future.

In the Faculty of Medical Sciences, we offer MRes courses (Master of Research) in various subject areas. This programme combines taught modules, research training and a dissertation project.

## Doctoral awards

A PhD focuses on original research that will make a significant contribution to the knowledge of a specific subject. You'll be supported throughout the programme by our Doctoral College, an academic supervisor or team of supervisors and attend research training sessions.

PhDs (Doctor of Philosophy) are awarded in all subject areas. For professionally qualified doctors, an MD (Doctor of Medicine) is awarded.

To complete the PhD you will produce a piece of original work (80,000 – 100,000 words) in the form of a supervised thesis, suitable for publication. Your research will enable you to become an expert in your chosen topic. This requires a significant time commitment, usually three years full-time. In the Faculty of Medical Sciences, we currently have nearly 800 doctoral students studying a wide range of topics.



# Applying for a **research** **degree**

There are several routes into a research degree. Follow these four simple steps to apply for the programme that is right for you.



## 1

### Decide on your degree

Explore the different types of research degrees that are available online at [ncl.ac.uk/postgraduate/degrees](https://ncl.ac.uk/postgraduate/degrees). Funded PhD projects and studentships are advertised on our funding pages [ncl.ac.uk/postgraduate/fees-funding/search-funding/](https://ncl.ac.uk/postgraduate/fees-funding/search-funding/).

## 2

### Explore our research specialisms

Our research groups and academic staff profiles are available to view online [ncl.ac.uk/who-we-academic](https://ncl.ac.uk/who-we-academic). These can help you consider if their specialisms are a good intellectual fit with yours.

## 3

### Check key details

Make sure to check all the key details for your chosen course:

- The minimum **entry requirement** for our research Masters' courses is an upper-second-class Honours degree (2:1) or international equivalent. PhD applicants usually require a Master's degree.
- **English language requirements** are also stipulated on each course profile.



## 4

### Apply online

Apply via our secure 'Apply to Newcastle' portal [applyto.newcastle.ac.uk](https://applyto.newcastle.ac.uk). You will be guided to create a username and password.

We accept applications throughout the year for non-funded PhDs. Closing dates for funded PhDs (or studentships) will be specified in the individual funding adverts.

- Some degrees require a **research proposal** at the point of application. Check if this is a detailed proposal or a short (non-binding) research proposal to indicate your broad area of interest.
- We encourage students **to identify a potential supervisor** before they apply to discuss their potential research.
- Take note of the **start date** and information on **deposits**. You can find this in the 'How to Apply' section of the online course profile.

For further guidance on how to complete your application go to [ncl.ac.uk/postgraduate/applications-offers/application-help](https://ncl.ac.uk/postgraduate/applications-offers/application-help)

# Master of Research programmes

## MRes

Course code  
**various**  
all listed in  
the course  
content

### At a glance

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**2:1 honours degree**



**Course duration:**  
12 months



**Undertake a 24-week  
research project**

### Entry requirements

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Minimum of a 2:1 honours degree or international equivalent. For most courses, this must be in a life science or related discipline or an MBBS/ BDS degree. For MRes Drug Delivery and Nanomedicine we additionally accept pharmaceutical sciences, physical sciences, engineering or related disciplines. For MRes Animal Behaviour and MRes Evolution and Human Behaviour: we accept any biological or behavioural science discipline, including anthropology, psychology and linguistics.

We also accept any current medical and dental students wishing to intercalate, following successful completion of third or fourth year of study.

### Course overview

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**Our Masters of Research (MRes) courses covers a broad range of biomedical and allied topics, combining our strengths in education and research to improve the health of the population. Undertaking a MRes qualification gives you the opportunity to study a topic that interests you in greater detail and take the next step in your research journey.**

Taught over one year, you'll begin the programme by completing a range of taught modules, providing you with greater knowledge of your chosen area. With a wide range of optional modules to choose from, your programme will be bespoke to your interests and career aspirations.

You'll then complete a 24-week research project. Projects are assigned from an extensive list of options, based on our staff expertise. This ensures that your research project of choice is based on the most up-to-date, current research and what you are interested in.

## Course features

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- During the 24 weeks dedicated to your research project, you'll become part of the faculty's thriving research culture through research groups and laboratory exposure.
- Flexibility of the course allows you to tailor your modules and research project to your interests.
- Opportunity to present your research at an annual scientific conference.

Degree titles include:

- Ageing and Health (4814F)
- Animal Behaviour (4825F)
- Animal Welfare (4837F)
- Biofabrication and Bioprinting (4864F)
- Biotechnology and Business Enterprise (4819F)
- Cancer (4816F)
- Cardiovascular Science in Health and Disease (4837F)
- Diabetes (4835F)
- Drug Delivery and Nanomedicine (4869F)
- Epidemiology (4826F)
- Evolution and Human Behaviour (4832F)
- Immunobiology (4813F)
- Medical and Molecular Biosciences (4807F)
- Medical Genetics (4827F)
- Mitochondrial Biology and Medicine (4834F)
- Molecular Cell Biology and Cell Signalling in Health and Disease (4862F)
- Molecular Microbiology (4828F)
- Neuroscience (4818F)
- Nutrition (subject to approval)
- Regenerative Medicine and Stem Cells (4817F)
- Translational Medicine and Therapeutics (4822F)
- Transplantation (4828F)



# Master of Research programmes

## MRes (continued)

### What you will study

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Our MRes programme is designed to be bespoke to each student. The vast range of modules on offer cover a wide variety of topics:

- Ageing and Health
- Animal Welfare and Applied Animal Welfare
- Applied Immunobiology of Human Disease
- Bioinformatics for Biomedical Scientists
- Biological Basis of Psychiatric Illness and its Treatment
- Biological Basis of Behaviour
- Biology of Ageing
- Biomaterials
- Biomedical Additive Manufacture and Bio-fabrication
- Biomolecular Research in Health and Disease
- Bioscience Research development and Enterprise
- Cancer Studies
- Cardiovascular Science in Health and Disease;
- Chromosome Biology and cell Cycle Control in Health and Disease
- Clinical Epidemiology
- Comparative Cognition: Information Processing in Humans and Other Animals.
- Diabetes
- Drug Delivery and Nanomedicine
- Drug Discovery and Development
- Enabling Technologies and Methodologies for Biomedical Research
- Evolution and Human Behaviour
- Exercise in Health and Disease
- Experimental Medicine and Therapeutics
- Genetic Medicine
- Genetics of Common Disease
- Genetics of Human Development
- Human Health and the Impact of Microbial Genomics
- Mitochondrial Biology and Medicine
- Molecular Microbiology
- Regenerative Medicine and Stem Cells
- Scientific Basis of Neurological Disorders
- Sensory Systems
- Therapeutic Applications of Cell Signalling Pathways
- Transplantation Sciences

All MRes students will take the compulsory module Research Skills and Principles for the Biosciences. In preparation for the independent project, this module provides the basic principles of good practice in relation to experimental design, statistical analysis and ethics that underlie all aspects of research in the biosciences.

Depending on your topic of study, you can expect to have an additional one or two compulsory modules from the above list. Your remaining modules are optional, meaning you can tailor your studies to your personal interests and career aspirations.

Assessments are varied depending on modules you choose. As well as more traditional assessment methods such as written examinations, presentations and essays, some assessments methods allow you to experience the type of work you might encounter post-graduation, such as drug development proposals, data analysis, critical appraisals, posters and infographics.

The research project is assessed through oral presentations, posters, lay abstracts and a dissertation.

## Graduates destinations

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With the ability to tailor the MRes to your interests and the range of topics covered by the research projects, MRes graduates go on to a variety of sectors and jobs. Roles in pharmaceutical and other bioscience sector companies are popular with graduates.

Many graduates also use the MRes as a springboard for further study, such as a PhD. The experience gained by working on such a large-scale independent research project in the MRes provides an excellent insight into a doctoral degree.

Those who have intercalated return to complete their studies on the MBBS or BDS studies. The experience gained on an MRes qualification provides an ideal platform for entering a clinical academic career.



# Doctoral awards

## Choose from 20 cross-cutting research themes

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Our Faculty has a reputation for world-class research across a wide variety of biosciences and health subject areas. Join us for PhD study in a supportive academic environment where you will benefit from training and development tailored to you.

Our cutting-edge clinical and scientific research facilities are provided by our three research institutes:

- **Biosciences Institute:** exploring fundamental biological processes to advance our scientific knowledge and understanding.
- **Translational and Clinical Research Institute:** transforming scientific discoveries into new diagnostic tools and therapies for patient benefit.
- **Population Health Sciences Institute:** developing and evaluating effective health and wellbeing interventions and reducing health inequalities for all.

Our institutes provide a collaborative research environment across the University. They address 20 cross-cutting research themes, to deliver research that has a real impact on patients' lives and the wider society:

- **Ageing and Geoscience:** this theme aims to tackle the global challenge associated with increased ageing.
- **Applied Cancer Therapeutics and Outcomes:** this research theme encompasses translational and applied cancer research within the faculty.
- **Behavioural Science and Psychology:** we aim to understand the behaviour of whole organisms, covering both humans and non-human animal species.
- **Cells, Genes and Molecules:** we investigate the fundamental cellular, genetic, and molecular mechanisms of life, in health and disease.
- **Discovery of Medicines:** translating the latest research findings into new medicines for the treatment of human diseases.
- **Human Nutrition and Exercise Research Centre:** we have a vibrant research community within the HNERC, with research spanning many different fields of nutritional and exercise sciences.
- **Immunity and Inflammation:** we study immunity and inflammation across the life-course, in health and disease.

- **Innovation, Methodology and Application:** we lead cutting edge research by developing novel and existing methodologies and technologies.
- **Long Term Conditions and Multimorbidity:** we improve lives through world-class translational research into multimorbidity and long-term conditions.
- **Mental Health, Dementia and Neurodegeneration:** improving the care and outcomes of patients.
- **Microbes in Health and Disease:** investigating microbial interactions in human hosts.
- **Mitochondrial and Neuromuscular Diseases:** we want to transform the promise of scientific advances into revolutionary treatments. We hope this restores neuromuscular and mitochondrial health.
- **Molecular and Cellular Microbiology:** microorganisms play critical roles in all major aspects of life on earth.
- **Neuroscience, Neurodisability and Neurological Disorders:** we are a diverse group of scientists and clinicians who aim to understand how the nervous system works, in both health and disease.
- **Nutrition, Exercise and Metabolism:** we deliver world-class research to understand how different factors affect health and wellbeing.
- **Precision Medicine, Genomics and Informatics:** we aim to improve treatments to benefit patients and enhance health and wellbeing. We achieve this by exploiting multidimensional clinical, genetic, pathological and molecular data.
- **Public Health and Health Inequalities:** the Public Health and Health Inequalities theme undertakes innovative research and teaching.
- **Regenerative Medicine, Stem Cells, Transplantation:** this theme brings together a team of internationally-recognised scientists.
- **Reproduction, Development and Child Health:** our research increases understanding of key early life events influencing life-course health and well-being.
- **Vascular Biology and Medicine:** we conduct research into fundamental vascular mechanisms and the treatment of cardiovascular disease.

## Doctoral College

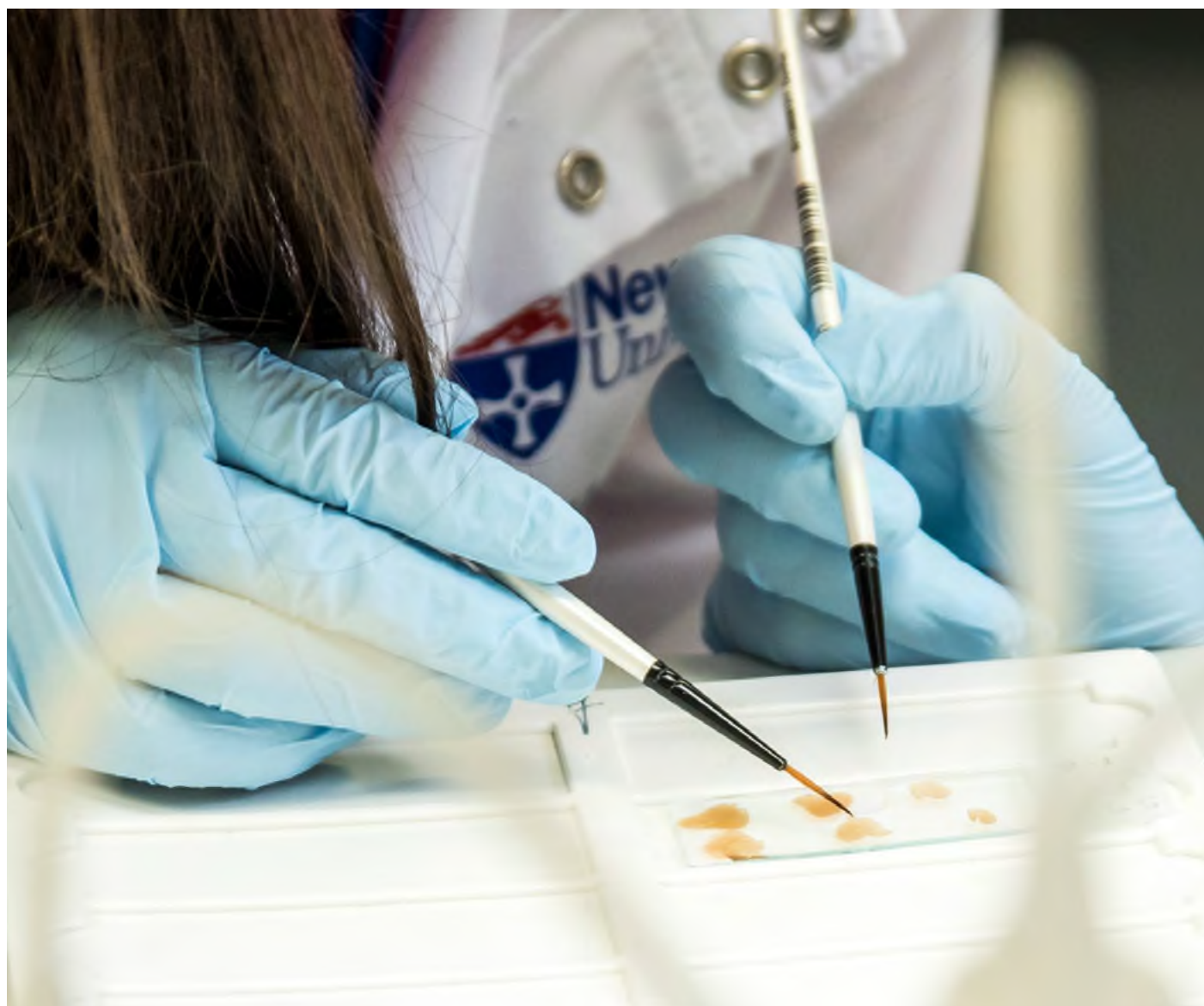
As a doctoral student you will be a part of our world-leading research community. Our Doctoral College will support you to:

- gain the skills to achieve your goals
- enhance your career prospects
- test your skills through competitions, events, entrepreneurship and teaching
- build a network of support staff, research peers, academics and potential employers

Our Enhancement Fund provides bursaries and awards to support your development through enterprise, and participation in global events and conferences. Find out more at [ncl.ac.uk/doctoral-college](https://ncl.ac.uk/doctoral-college)

## Funding

There are a range of different funding opportunities for PhDs. You can find out more at [ncl.ac.uk/careers/explore-your-options/further-study/phd/funding/](https://ncl.ac.uk/careers/explore-your-options/further-study/phd/funding/)





# Student voices

Our students are at the heart of everything we do. We asked some of our current students to share their experiences of studying Medical Sciences at Newcastle University. Here's what they told us...

## **Jade, Medical Education:**

*"This course offered me the opportunity to gain a much deeper understanding and appreciation for medical education within and beyond the classroom - including learning theories, curriculums, assessments, research and more!*

*The strong team of lecturers also really elevated the learning experience. They were invested in sharing their expertise while ensuring that students were properly supported throughout the course [...] Reflecting on my academic and personal growth after the MMedEd, I believe that intercalating on this programme was by far one of the most rewarding experiences I've had at university! I enjoyed learning on this course and would certainly recommend it to anyone interested in medical education."*



### Charlie, MRes in Neuroscience:

*"I had a great time studying for my MRes Neuroscience. It gave me a much greater understanding and appreciate for real cutting-edge research, and set me up for a rewarding career in engagement and science communication with support from across the course."*



### Georgina, Global Public Health MSc:

*"Studying Global Public Health at Newcastle University was an absolute game-changer! It's been a wild ride, but hands down one of the best decisions I've made. The program wasn't just about books and lectures; it was a hands-on, eye-opening experience that threw me into the heart of global health issues."*

*Beyond the classroom, the atmosphere at Newcastle was electric! The interactive sessions were full of the "aha" moments in group projects and helped think critically. It was all about sharing ideas and learning from each other.*

*The city itself added a whole new dimension. From the bustling cultural scene to the supportive environment on campus, Newcastle became my home away from home. Studying Global Public Health here didn't just give me a degree, it ignited a passion for tackling real-world health challenges. Cheers to Newcastle University for an unforgettable experience!"*

**Rated 7th in  
the UK for  
overall student  
experience and  
4th in the UK  
for social life.\***

\*The Times Higher Education  
Student Experience Survey 2018

### **Richmond, Global Public Health MSc:**

*"Newcastle's MSc in Global Public Health programme seemed unique in terms of its 'global' focus. I wanted something different from the 'traditional' public health. I was particularly interested in developing critical perspectives of the global health issues that confront humanity today and I found that in Newcastle [University]'s MSc in Global Public Health programme. So far, it has been a wonderful experience.*

*The faculty of medical sciences is an incredibly challenging academic environment and that was something I anticipated before coming to Newcastle. I like to be challenged and to challenge existing knowledge and theories and I know I made the right decision in choosing Newcastle. For everyone interested in developing critical perspectives of public health issues that concern not just one country and not only developing countries, Newcastle University is the right place, go for it!"*



### **Flora, Foundations in Clinical Psychology MSc:**

*"After spending 3 years at Newcastle University completing my undergraduate degree in Psychology, I knew I wanted to continue my postgraduate study here!"*

*The MSc Foundations in Clinical Psychology course piqued my interest in particular due to its alignment with my career aspirations of becoming a Clinical Psychologist. The course covers the core areas of Clinical Psychology using rigorous teaching methods and a broad range of assessment types, including case studies, research proposals and scientific posters. [...] The medical sciences campus is also conveniently situated 10 minutes from nearby public transport links and involves a lovely walk through the old red brick buildings!*

*[...] Newcastle is an excellent city for students. There is so much to do in the city and the atmosphere is so welcoming and exciting. Whether you're into going out for drinks, eating great food or enjoying a scenic walk, there is something for every student in Newcastle. I love this city and I could not recommend it more for students interested in postgraduate study!"*



### **Jemma, Exercise Physiology MSc:**

*"[A]fter attending an open day talk for [the MSc in Exercise Physiology], I realised that it incorporated all of my favourite things I learned about in my undergraduate degree in biomedical sciences.*

*The wide scope of the course content was appealing to me as I could learn a lot about the field whilst also making connections in all these different areas that I'd not considered before. Coming from my biomedical sciences background, the sports science field was very unfamiliar to me, so it is really valuable to be able to build good connections to help my career progress in future.*

*Although most people on this course came from the usual route of sports science, I feel like I can engage in the content just as well as the others who know more than me, due to the high quality of teaching provided in the school. The lecturers themselves are very approachable and the lectures are engaging, involving a lot of group discussions which help to gain a deeper understanding of the topic, as well as other people's perspectives."*



### **Dan, PhD in Translational and Clinical Research:**

*"The PhD support structure of having regular supervisor meetings and the annual progress review process with an independent advisory panel has been excellent in ensuring everything is kept on track.*

*There were many opportunities to present your research findings and network at local Institute-specific events, the annual North East Postgraduate Conference organised by fellow PhD students, as well as at leading national and international conferences. I've also enjoyed engaging within the Biomedical Teaching School's paid demonstrating opportunities for undergraduate laboratory practicals, which has provided lots of useful teaching experience. I've really enjoyed my first year at Newcastle as a whole and am already looking forward to what holds next for the years to come!"*



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## Faculty of Medical Sciences

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