

Newcastle University Academic Track Fellow **NUAcT-McGregor Fellowship in Shipping**

Candidate Information

NUAcT

Leading discovery, nurturing talent



Contents

Welcome	04
NUAct Fellowship Scheme	06
Shipping	08
The offer	10
Main duties and responsibilities	13
Person specification	14
Application process	15
How to apply	16
Fostering equality, diversity and inclusion (EDI)	18
Research culture at Newcastle University	20
Employee benefits	23
Our Vision and Strategy	24
Investing in world-class facilities	27
Living and working in Newcastle	28
Newcastle University schools and institutes	30

Welcome

Thank you for your interest in applying for the position of NUAcT-McGregor Fellowship on Shipping at Newcastle University. As a NUAcT Fellow you will join an active and growing cohort of Fellows across almost every school in the University.

We are investing £30m over five years to build and support around 100 NUAcT and NUPAcT Fellows.

We seek to appoint people who have a strong track record aligned to our own research portfolio, who are ambitious and who have the potential to develop a broad range of skills to become future leaders in research and teaching at Newcastle University. We have already appointed 67 research Fellows across our three faculties, who share a passion for collaborative research, developing the careers of others and promoting a positive research culture.

Our world-class facilities and the excellence of our research across wide-ranging disciplines gives Fellows the freedom and opportunity to excel and succeed. We are also fully committed to the professional development of our next generation of researchers. We have a dedicated team overseeing our scheme, ensuring that each Fellow is supported towards a full academic position through mentorship and personalised career development training tailored to their individual needs.

Newcastle University attracts excellent researchers, not least because of the ambition, enthusiasm and teamwork of our staff. We believe that the major challenges of the future will only be answered by collaborative teams that are diverse in career stage, career pathway, disciplinary background, experience and personal characteristics and that Newcastle University is ideally placed to build such teams. We hope that you share our vision to enhance our diversity and creativity, and contribute towards a fully inclusive and collaborative research culture where everyone's ideas thrive. We very much look forward to hearing from you.



Prof Elizabeth Gibson
NUAcT Director
Professor of Energy Materials



NUAcT Fellowship Scheme



The Newcastle University Academic Track Fellowship scheme aims to find and develop our research leaders of the future. This year we are looking to appoint a number of targeted Fellows which align closely with our research strengths, complementing our existing teams and bringing fresh perspectives to our challenges.

We are looking for early career researchers with an excellent track record for their career stage and a compelling research proposal. As a NUAcT Fellow, you will have the opportunity to lead your own research programme, build an international reputation, and contribute to multi-disciplinary collaborations across the University and beyond.

With the programme's focus on equality, diversity and inclusion, we are building a diverse cohort of Fellows who will champion others and help us to build a more inclusive research culture across Newcastle University. Our appointments are fully flexible, which means that we can accommodate part-time working as needed.

The Fellowship will support you to:

- develop your research ideas through protected research time
- collaborate with top researchers in Newcastle and beyond
- develop grant applications to underpin your own independent research programme
- take part in the supervision of doctoral students
- establish your leadership in your field
- work with industrial partners
- form international partnerships with overseas research groups

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If you share our vision to enhance our diversity and creativity and work together towards a fully inclusive and collaborative culture where everyone's ideas thrive, we would be incredibly excited to hear from you.

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NUAcT-McGregor Fellowship in Shipping

We are looking to grow our research in Shipping and closely related areas (especially transport and logistics) in distinctive and innovative ways and welcome candidates from across - and between - all disciplines related to these areas. Key to our ambition is a desire to actively help the shipping and related sectors in their quest to achieve net zero.

If your expertise and passion lie in areas such as: analysing shipping and logistics systems; helping transport operations to become both greener and smarter; investigating pathways to net zero intermodal transport; exploiting the potential of logistics data; maximising the potential of intelligent and smart systems; enhancing transport safety, cyber security and resilience; then we'd love to hear from you.

Our NUAcT Fellowship in Shipping will galvanise and build research momentum across the University around a number of different opportunity areas, embedding the Fellow into a supportive multidisciplinary environment, which includes our [Newcastle University Centre of Research Excellence in Mobility and Transport](#) and our [Marine, Offshore](#)

[and Subsea Technology Research Group at the School of Engineering](#). There will be opportunities too to develop links with researchers across the University in areas beyond shipping and logistics such as for example computing science, civil engineering, geography, energy systems and business.

Transport, Shipping and Marine Technology at Newcastle University

The School of Engineering (and its predecessors) have a long tradition (>100 years) of teaching and researching in the broad areas of transport, shipping and marine technology. The School maintains strong connections with industry – for example with the Port of Tyne and both its 2050 Maritime Innovation Hub and Clean Energy Testbed, in addition we have an active and committed Industrial Advisory Board which we work closely with. We have a long and successful track record in completing both industrial and publicly funded research projects; for example we have been successful in receiving funding for a number of significant research projects on both smart ports and green shipping corridors under the UK Government's Clean Maritime Demonstrator competitions. We have

also played a key role in the EPSRC funded Network Plus on Decarbonising UK Freight Transport. We have been most fortunate to receive philanthropic funding from a number of generous benefactors to support our research with this Fellowship generously part-funded by the McGregor Endowment. We have a proud tradition of graduating PhD alumni who now work all over the world.

The latest stage in the evolution of our shipping and related research at Newcastle continues with the move of our group to the state-of-the-art redeveloped Stephenson Building in Summer 2024 which will provide a rich and vibrant environment for our colleagues to progress their research and where we will be co-located with our colleagues in transport and future mobility.

The research trajectory of the School of Engineering in the shipping and related areas is focused broadly around three domains of increasing importance and value:

- Finding solutions to today's key sustainability challenges;
- Understanding both design and risk aspects of shipping and logistics networks;
- Maximising the benefits that data and digital technologies can bring.

The Fellowship will have a broad focus bridging technology, policy, regulation and applications addressing the challenges and opportunities that the decarbonisation and net zero agendas pose. These include areas related but not limited to:

- Shipping and logistics network design
- Intelligent and smart systems exploiting data potential
- Safety, cyber security and resilience
- Intermodality, ports and logistics infrastructure.

We welcome interest from applicants across the broad breadth of shipping, logistics systems, ports and logistics infrastructure, policy and regulation, and data and intelligence. Recent PhD (1-5) years with evidence of a strong research trajectory. Ideally some international experience / orientation. Capable of working with other disciplines to progress solutions to complex problems that require interdisciplinary solutions. Team player but with the intellectual independence to allow pursuing own initiative and take a lead on progressing research initiatives. The Fellow will also have a unique opportunity to develop their specialist teaching interests via our range of degree programmes and in particular our [MSc in Shipping and Logistics](#) which has been running very successfully since the 1990s and attracts students from all over the world.



We have a long and successful track record in completing both industrial and publicly funded research projects



Investing in a world-class engineering facility

The redeveloped Stephenson building will be the place for future engineers, researchers, designers, and visionaries to collaborate and tackle world challenges together.



The offer

How we will support you

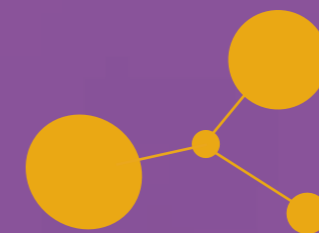
We offer a competitive start-up package:

- Initial fixed-term appointment for five years (or five years' full-time equivalent if working part-time) with progression to an open-ended contract subject to successful review.
- Research expenses up to £50k, subject to research programme needs
- Funding for a 3-year PhD student (UKRI rate for Fee and Stipend, Home (UK level) associated with the research.
- Dedicated mentors with extensive research expertise and significant project management experience.
- The opportunity to join and participate in our world-class interdisciplinary research centres.
- Extensive training opportunities including a bespoke personal development plan.
- Peer support from a cross disciplinary cohort of talented early career researchers.

Main duties and responsibilities

- To plan and carry out independent, original research relevant to the strategy of the University, leading to high quality outputs, impact and successful applications for research funding.
- To initiate and participate in interdisciplinary collaborations, that enable innovative research.
- To provide guidance and career support to other colleagues and students, including high quality supervision of PhD students, and students undertaking taught programmes.
- To develop a balanced profile of activities that includes research-led teaching and contributions to the working environment. Whilst the focus of this position is on carrying out independent research, enthusiasm for teaching is expected.
- To contribute to a positive and inclusive research environment, and actively support the University's equality, diversity and inclusion (EDI) agenda.

It is anticipated that you will move to an open-ended contract at the end of your fixed-term period, subject to successful review against the above criteria.



Person specification

KNOWLEDGE, SKILLS AND EXPERIENCE

Essential

- A clear vision for developing an independent research programme including plans to attract external research funding.
- A successful track record of developing and delivering research commensurate with career stage.
- Understanding of the Equality, Diversity and Inclusion agenda and how the behaviours of individuals can contribute to a positive research culture.

Desirable

- Experience of collaborative working, for example, through working with different researchers or research groups, or with other partners beyond academia such as industry, policy makers or community partners.
- Understanding how to maximise the impact of research, including through outreach, engagement, and partnership building activities.
- Experience of delivering research-led teaching and supporting the careers of others, for example, through mentoring and supervision.

ATTRIBUTES AND BEHAVIOURS

Essential

- Willingness to participate in collaborating teams and openness to work in an interdisciplinary way.
- Desire to contribute to a positive research culture aligned to the University's four [Guiding Principles](#) and its [Equality, Diversity and Inclusion Strategy](#).
- Willingness to contribute to broader activities that fall within the typical remit of an academic member of staff such as membership of committees, involvement in working groups, EDI activity, outreach, etc.
- Willingness to develop others, for example, through teaching, mentoring, and supervision.
- Motivation to contribute to and benefit from the NUAcT cohort activities.

QUALIFICATIONS

Essential

- PhD (or equivalent) in a relevant area of research.

Application process

NUAcT applications must go through two review stages prior to our interview stage.

1

Shortlisting

Shortlisting - full applications are sent to the panel for review and feedback is discussed at the shortlisting meeting, with subject specialists introducing relevant applications to the rest of the panel.

2

Interview

Applicants who have scored highly at the shortlisting meeting will be invited to an interview, either face to face or via Zoom. Interviewees will be notified of their interview date at least one week prior to their interview, via email. Applicants who have reached this stage will also be invited to visit Newcastle University to meet with relevant colleagues within the school and to see the facilities.

3

Feedback

All unsuccessful candidates will be notified by email after each stage. We will provide written feedback to all applicants who reach the shortlisting stage but unfortunately, due to the number of applicants, we are unable to provide feedback to those who do not get through to shortlisting.

To apply, go to: ncl.ac.uk/vacancies

CLOSING DATE FOR APPLICATIONS: 15th April 2024

Interviews

May 2024.

Please note that our recruitment timeline is subject to change.



How to apply

We are now inviting applications for our NUAcT-McGregor Fellowship in Shipping in the research areas listed on page 8 and 9 of this candidate information pack.

Please apply for this position via our recruitment webpage:
www.ncl.ac.uk/vacancies

Important Information

Please read this information carefully as incorrect submission of your application will result in it not being considered.

All documentation:

- must be completed in **no less than 11pt font**
- must **not exceed** the maximum page or character count limits given
- must be **complete** - please ensure you include your cover letter, your CV, your summary cover sheet and research proposal. The summary cover sheet and research proposal should be attached as 'additional documents' to your application. **Please remember not to include identifying information in your summary cover sheet.**

All fully completed applications (with all documents provided) will be assessed in a preliminary longlisting stage based on the summary cover sheet only.

If you require any adjustments in the application process, please get in touch with us to discuss this by email on nuact.admin@newcastle.ac.uk

1

Cover Letter - one page maximum

Please provide a cover letter outlining your motivation to apply and how you will further your research and career aspirations through this fellowship, and drive forward research at Newcastle.

You are welcome to include brief details of any career breaks and periods of part-time work, e.g. parental or long-term sick leave in this document, and ask that you include full details in your summary cover sheet.

We encourage applications from researchers who have taken career breaks and wish to ensure that any such extenuating circumstances are taken into account when considering your track record.



2

CV - four pages maximum

To include:

- Training and qualification history
- Employment history, including dates and positions/roles held to date
- Research funding history, and any awards or prizes received
- Research outputs (e.g. publications, talks, patents, methodologies, impact generation, etc)
- Any contributions to other academic activities, including to teaching and supervision, outreach and promoting a positive research culture
- Any other relevant experience and achievements

3

Summary Cover Sheet - two pages maximum

You must submit a summary cover sheet using the template and guidance which can be downloaded [here](#) from the NUAcT website. This should be attached to your application in the Newcastle University recruitment system as an 'additional document'.

Please **do NOT include your name** or current place of work in any section of the summary sheet. This is to support our panel to avoid unconscious bias and encourage equality of opportunity for applicants.

4

Full Research Proposal - three pages maximum

This should be attached to your application in the Newcastle University recruitment system as an 'additional document'. You may include graphics or illustrations, but please adhere to the maximum page limit. Font must be no smaller than **11pt**.

Your proposal should include:

- Detail of programme of research to be undertaken during the Fellowship
- Potential benefits to Newcastle University and fit with nominated host unit
- Approach to engagement with external partners and impact generation
- Deployment of associated PhD studentship.
- Funding applications to be targeted during the Fellowship and fit with funder priorities (please detail your eligibility for relevant Fellowships and anticipated timing of applications).

Fostering equality, diversity and inclusion (EDI)

We value individual differences and the diversity that this brings. We want to ensure that no one is at a disadvantage because of who they are. Instead, we aim to create a supportive and inclusive culture for everyone to reach their full potential.

The fostering and promotion of good relations and understanding among colleagues and students, irrespective of identity or background, is expected of everyone who works or studies at the University. By fully embracing equality, diversity and inclusion and embedding these principles in all that we do, we can provide better support for all our colleagues and students, and address new and evolving challenges.

We embrace our longstanding commitment to equality, diversity and inclusion, social and environmental justice, and respect for academic freedom. We continue to uphold these values as we create innovative and compelling opportunities to attract and support the most talented people from around the globe. Our ED&I strategy can be found [here](#).



The fostering and promotion of good relations and understanding among colleagues and students, irrespective of identity or background, is expected of everyone who works or studies at the University.



The University holds a Silver **Athena SWAN** award recognising our achievements in promoting gender equality and the career progression of women. We are also members of the **Stonewall** Global Diversity Champion programme, the **Business Disability Forum**, and the **Race Equality Charter**. Our NUA&T Fellows will be welcome to engage with the events and activities of our many colleague networks within the University including: **NU Women**, **NU Parents**, **Rainbow@NCL** (our LGBTQ+ Network), **NU Carers**, the **NU Race Equality Network (NU-REN)** and the **Disability Interest Group (DIG)**.

For more information about EDI at Newcastle, and our current priorities and projects, see: ncl.ac.uk/who-we-are/equality



We embrace our longstanding commitment to equality, diversity and inclusion, social and environmental justice, and respect for academic freedom.



Research culture at Newcastle University

People and culture are at the heart of our Research Strategy. Having a positive research culture is really important: the behaviours, values, expectations, attitudes and norms of our research community impacts on how we do research and the wider benefits it can bring.

We're fully committed to building a welcoming and empowering research culture where everyone has the freedom and opportunity to succeed, and that recognises everyone's varied contributions to research, fuel peoples' passions and creativity, and support diverse career aspirations.

Our vision for a positive research culture is based on what our research community tells us is important for them. Our postgraduate researchers, academics and professional services colleagues have identified four attributes that we feel define a positive research culture here at Newcastle University: collaboration and collegiality, the freedom to grow and explore, fairness and inclusion, and openness and integrity. We already promote a positive research culture through our Research Strategy, for example, by improving interdisciplinary networking and collaborations through new cross-Faculty Newcastle Centres of Research Excellence (**NUCoREs**). We are now building on these, and are developing an institutional Research Culture Action Plan that will focus on nurturing people and strengthening our culture over the next 5 years. You can find out more about what we're doing in our [Research Culture at Newcastle University: The Road Ahead](#) document, which maps out our commitment, vision and current plans.

Of course, research culture change involves and belongs to everyone, including our NUAct Fellows! We ask about how people would contribute towards a positive culture as part of our application process and looking for people who share our aspirations and values. We hope very much that you will see ways to bring new ideas and perspectives to enhancing the research environment, and benefit from a culture that nurtures peoples' talents and increases the quality and reach of our research.



Candy Rowe
Dean of Research Culture and Strategy



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We're fully committed to building a welcoming and empowering research culture where everyone has the freedom and opportunity to succeed.

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Employee benefits

The University is committed to providing a great range of benefits and discounts for our colleagues, this includes:

- Excellent defined benefit pension schemes (e.g. USS, NHS)
- Excellent salary sacrifice schemes for cycle to work scheme and pensions
- Generous annual leave of up to six weeks per year in addition to a Christmas closure period. You also have the opportunity to purchase a further two weeks additional leave per year
- Family-friendly leave policies, a career break scheme
- NCL Rewards which offers nearly 6,000 discounts at national retailers, holiday providers, cinemas, leisure attractions and much more
- Webstore – offering discounts on local sports tickets, theatre shows and other attractions
- Discounted regional travel scheme including bus, metro, and rail
- On-site Sports Centre, cultural venues Library

Further information can be found [here](#).



Our Vision and Strategy

Newcastle University is a community of 6,400 talented and ambitious colleagues and approximately 29,000 students from 140 different countries. Ranked amongst the world's top universities, we are recognised primarily for our teaching excellence and the impact of our research.

We aspire to be a people-focused institution that harnesses academic excellence and creativity to benefit individuals, organisations, and society as a whole. As a founding member of the Russell Group of the UK's world-class research-intensive universities, we are leaders in research and research-led education. The University traces its origins to 1834 and the need to address an industrial city's economic, health, and social demands. Newcastle University is an integral part of its host city of Newcastle upon Tyne, a diverse and vibrant community noted for its intellectual life, history, and thriving innovation climate.

As a university, Newcastle is big enough to tackle the most pressing challenges and opportunities facing humanity and the natural world, but small enough to work cohesively across the University and with external partners.

In 2018, we launched a 'Vision & Strategy' that incorporates Research for Discovery & Impact, Education for Life, Engagement & Place and Global strategies.

This strategy recognises our pedigree of education and research relevant to our city, region, and the globe. Our culture of openness and transparency and longstanding commitments to equality, diversity, inclusivity, social and environmental justice, and academic freedom are the foundations of this strategy. In addition, our international connections are fostered through physical bases in Singapore and Malaysia.

The Vision & Strategy introduced several 'transformative initiatives' that will accelerate the University's evolution, including consolidating our research in multidisciplinary Centres of Research Excellence (NUCoREs). The University also aims to further develop its technology-enhanced learning capability, which evolved significantly during the COVID-19 pandemic; and extend our Academies cluster to support working with policymakers, businesses, and Low-to-Middle Income Countries (LMICs).

NUAcT is one of our key 'transformative initiatives' and by 2025, NUAcT will have appointed more than 100 researchers and fulfilled about half of our ambition for growth in research power.





Investing in world-class facilities

The University's financial position is firm: we have invested approximately £100 million in our city-centre campus over the past few years.

We will continue to do so over the coming years. This has enabled us to achieve significant refurbishments of our existing estate, for example, the phased refurbishment of the Armstrong Building and the development of outstanding new facilities such as our flagship, £58m Urban Sciences Building and the 1,277 bed Park View Student Village. Current projects include a new £16.2m Sports Centre, the redevelopment of the Stephenson Building, and the refurbishment of the Henry Daysh Building.

We actively invest in projects that are helping to attract new businesses and jobs to the region. For example, in partnership with Newcastle City Council, we have created Newcastle Helix, a £350m urban regeneration project, the largest in the UK. Here, we have invested £34m in the Frederick Douglass Centre, a major learning and teaching facility, and £50m in bespoke headquarters for our three National Innovation Centres for Ageing, Data and Rural Enterprise and the National Institute for Health Research Innovation Observatory. These projects create high-quality teaching, learning, social and living environments for our students and colleagues.

In 2019, the University purchased the Campus for Ageing & Vitality from the NHS, providing more than ample estate for future expansion of research facilities within the city centre and a short walk from our main campus.

We also invest in cultural venues linked to our academic excellence. The Hatton Gallery is part of our world-class School of Arts and Cultures. At the same time, the Great North Museum: Hancock (GNM) is home to extensive natural history, archaeology and ethnography collections. Managed on our behalf by Tyne & Wear Archives & Museums, the GNM and Hatton Gallery welcomes around 580,000 visitors annually.

Living and working in Newcastle

If you've not visited Newcastle before, you'd be forgiven for thinking this is just a city of party people and avid football fans. Over the past 20 years, a cultural regeneration has changed the area beyond recognition, creating a stunning cityscape and a special place that rewards people who choose to visit, live, work, and study here.

The City

Newcastle is a modern, compact, and culturally vibrant European city with a strong identity. The city is easy to get around and offers excellent shopping, restaurants, museums, galleries and cinemas.

The city centre is renowned for its stunning architecture with many fine buildings and streets, including Grey Street, described by seminal architectural historian Nikolaus Pevsner as 'one of the finest streets in England'. Once a busy industrial and commercial dockside, Newcastle's Quayside is now packed with cafés, bars, and restaurants to enjoy views of the River Tyne and its bridges.

Neighbouring Gateshead is now famed for its contemporary culture and iconic structures, including BALTIC, a converted 1950s flour mill and now a major international centre for contemporary art, the Sage Gateshead concert venue occupying a curved glass and steel building designed by Norman Foster, the Stirling Prize-winning Gateshead Millennium Bridge and Antony Gormley's Angel of the North.

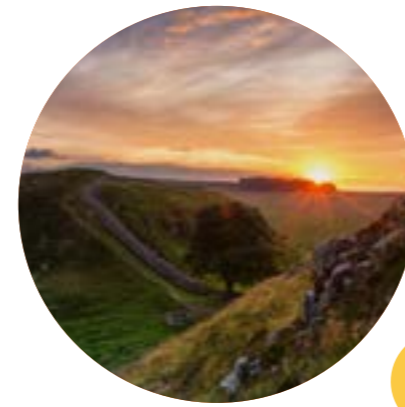
The Region

The region is steeped in history, and our countryside and wide sandy beaches are our best kept secret.

The Northumberland coast and its historic castles, designated as an Area of Outstanding Natural Beauty, are only 30 minutes' drive to the north. Hadrian's Wall world heritage site lies to the west, and South of the city is County Durham, where the ancient city of Durham is complemented by a heritage coastline and rural towns and villages.

Cost of living

On average, the cost of living in Newcastle is 37% cheaper than London. The North East consistently comes out as one of the best value places to live in the UK based on the average cost of living, and property, in particular, is significantly more affordable than in many other parts of the country. From carefully restored Victorian terraces to contemporary city-centre apartments, semi-rural locations to a seafront home, the region offers a wealth of accommodation choices.



Education and Healthcare

Newcastle's hospitals have an international reputation for excellence in healthcare. The University works in close partnership with the Newcastle Hospitals NHS Trust and Cumbria, Northumberland, Tyne and Wear Mental Health Trust. Education here also has a strong reputation, with a choice of excellent state and private schools, several Further Education colleges and of course our world-class universities.

Travel

Exceptional transport links connect the city and region to the rest of the UK, Europe and beyond. Newcastle International Airport is just over 20 minutes from the city centre by car or public transport, from where there are direct flights to over 80 destinations across the globe. The East Coast mainline provides direct access to London by train in less than three hours and Edinburgh in just over an hour, with trains running approximately every 30 minutes. In addition, the A1(M) motorway links the area to London, Edinburgh and other major UK cities.

Newcastle has a modern, integrated transport system with an extensive network of local buses and the Metro which connects the airport, city centre, coast and Sunderland.

Sports

Sports fans are spoilt for choice in Newcastle, with regular top-flight football, rugby and basketball fixtures in the city. In addition, Gateshead Stadium brings international athletics to the region, while the world-class Durham International Cricket Ground hosts county, one-day international, Twenty20 and Test matches.

Nearby, Close House golf resort is listed among the UK's top 100 golf courses and, every year, the world's largest half marathon, the Great North Run, attracts some 57,000 participants and many thousands more spectators.



The region is steeped in history. The Northumberland coast and its historic castles, designated as an Area of Outstanding Natural Beauty, are only 30 minutes drive to the north.



Newcastle University schools and institutes



Faculty of Humanities and Social Sciences

- School of Architecture, Planning and Landscape
- School of Arts and Cultures
- Newcastle University Business School
- Combined Honours and Philosophy
- School of Education, Communication and Language Sciences
- School of English Literature, Language and Linguistics
- School of Geography, Politics and Sociology
- School of History, Classics and Archaeology
- Newcastle Law School
- School of Modern Languages



Faculty of Medical Sciences

- Biosciences Institute
- Population Health Sciences Institute
- Translational and Clinical Research Institute
- School of Biomedical, Nutritional and Sports Sciences
- School of Dental Sciences
- School of Medical Education
- School of Pharmacy
- School of Psychology



Faculty of Science, Agriculture and Engineering

- School of Computing
- School of Engineering
- School of Mathematics, Statistics and Physics
- School of Natural and Environmental Sciences



Find out more about Newcastle University's Schools and Institutes [here](#).

