Newcastle University

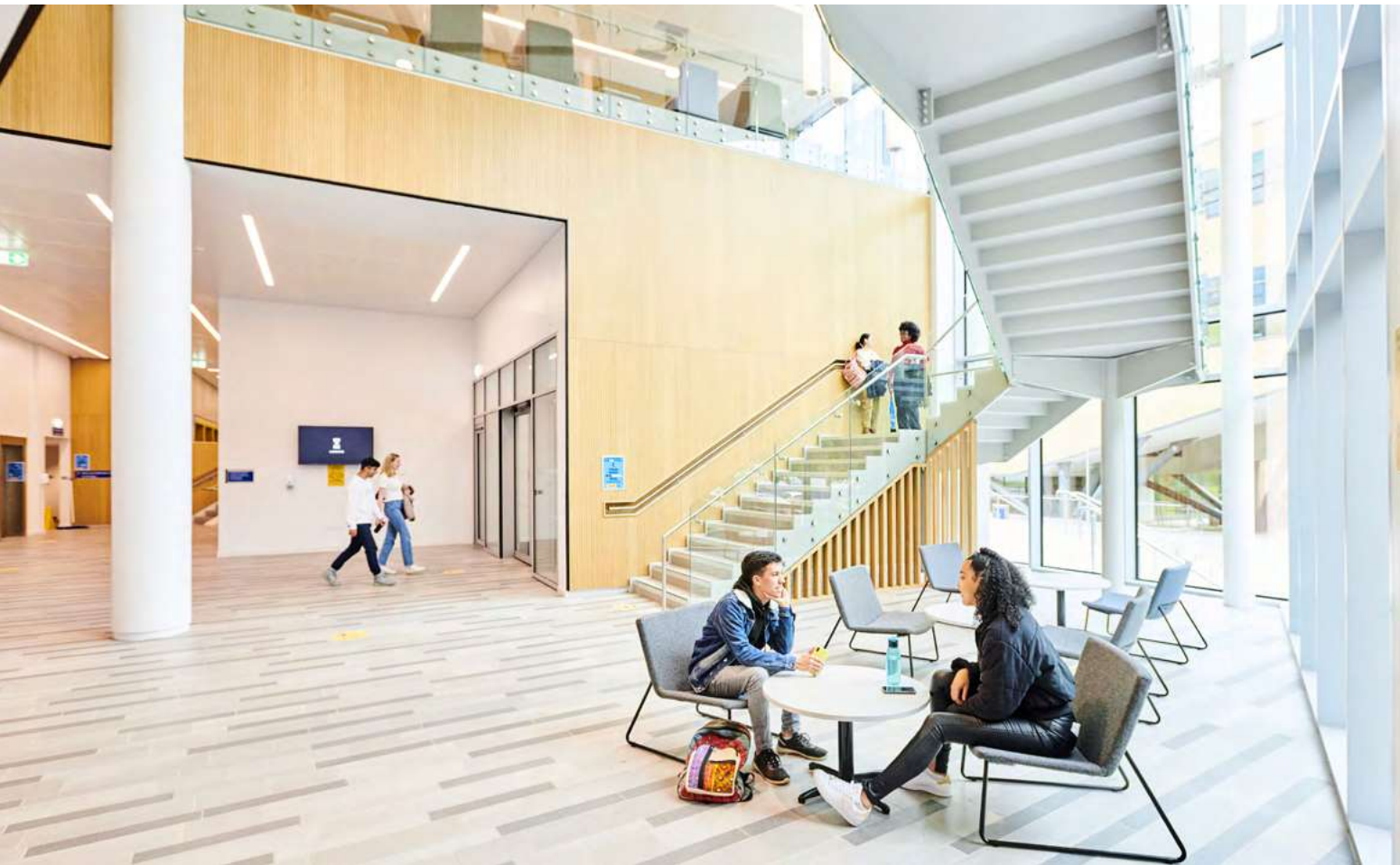
Faculty of Medical Sciences

Undergraduate Prospectus

Find your future at Newcastle University

Join a medical faculty with 190 years' experience in teaching and excellence. We're home to a world-leading collaboration of researchers, doctors, clinical experts, and teaching professionals.

Our students are at the heart of everything we do. You can be confident that you are choosing a degree that has been designed to provide you with innovative learning and teaching centred around medical sciences and the transferable skills required to be a successful graduate.



Contents

World-Leading Medicine Science

We are proud to be home to a world-leading collaboration of researchers, teaching professionals and clinical experts. Medicine has been taught at Newcastle University since 1834 and we have a rich history in turning scientific advances in research into direct benefits for patients.

At Newcastle University you can choose to study a course in areas like:

- Biomedical and Biomolecular sciences
- Medicine
- Dentistry
- Psychology
- Sports and Exercise Sciences
- Nutrition and Dietetics
- Pharmacy.

As an undergraduate student you will be part of a university that is working to transform innovative research into novel treatments that improve health for all. Recent achievements of our academics in the Faculty of Medical Sciences include:

- lifestyle intervention to reverse type 2 diabetes
- IVF technique to prevent mitochondrial disease transmission from parent to child
- novel drug treatment for ovarian cancer
- virtual reality therapy to reduce anxiety and phobias in children with autism.


PICCOLA


Newcastle University

Why **Newcastle University?**

We are using our strengths in research and teaching to improve the health of the population.

We also have a campus in Malasia

Top 130
Global University
(QS World University Ranking 2025)

BUCS Top 10
national sport
ranking

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

Awarded
5 QS Stars
for overall
Excellence
(2023)

A founding
member of the
RUSSELL
GROUP

We have
taught
Medical
Sciences
since
1834

1st
in the UK for action on
sustainable
development
Times Higher Education Impact
Rankings 2022

7,000
students
have joined us via
our PARTNERS
supported entry route

29,000
students
from
140
countries

Why you should choose to study medical sciences at Newcastle University

Newcastle is a city for everyone! Not only are we a top 10 city for affordability, (QS Best student cities 2022) as a student you have facilities and opportunities linked to your degree that you won't get anywhere else in the UK.

- **Centre for Life –** Biomedical Sciences opportunities
- **RVI –** strong partnership with local NHS trusts for medical and pharmacy students, including ward-based learning
- **Dental Hospital –** Dental Therapy and Dental Health
- **Newcastle United at St James Park –** renowned sporting city and strong links to the Newcastle United Foundation for sports and exercise science students
- **Grainger Market –** traditional indoor market at the heart of Newcastle city centre for nearly two centuries. Community engagement for Pharmacy students
- **Food Bank –** placements for Dietetics students
- **Central Station –** transport links and metro system
- **Dame Margaret Barbour Building –** Psychology and nutrition.

Newcastle upon Tyne is just the **beginning**

Students on most of our courses have global opportunities for learning and development. Discover the global options available to you on the course pages of the guide.

Study Abroad

Enhance your global outlook and graduate career prospects by living and studying in a new culture. We have over 40+ mobility partnerships which allow you to study at a prestigious university in countries like:

- USA
- Australia
- France
- Malaysia
- Spain
- Germany.

In the school of Biomedical, Nutritional and Sport Sciences there are international exchanges as either part of your degree, over the summer or a whole year abroad.

NUMed

Our international campus in Johor, NUMed Malaysia opened in 2011. This campus was designed to deliver quality medical and biomedical education to our international class in:

- MBBS
- Biomedical Sciences
- Foundation in Biological and Biomedical Sciences.

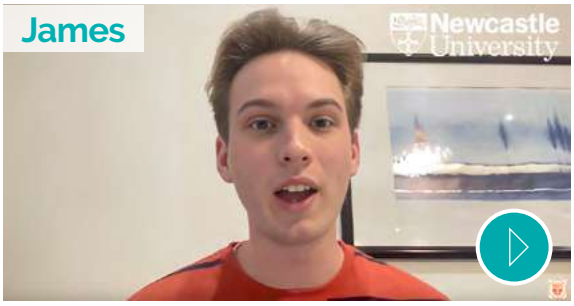
These are identical to Newcastle's UK based provision and students studying on MBBS in Newcastle University have an opportunity to spend a semester in Malaysia in year two.

Junaid took on the Malaysia exchange programme in his second year. Watch Junaid's short video about life at NUMed and hear about all the traveling he did in his semester abroad:

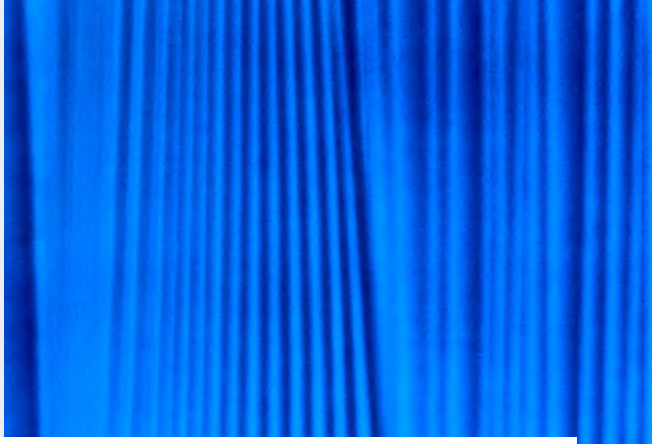
Medical electives

All Newcastle University MBBS students take part in an 8-week period of elective study at the end of the fourth year. The medical elective allows you the ultimate choice to gain experience in any specialism in almost any safe part of the world with around two thirds of each year group choosing a global experience.

Hear from James about his elective and what he got up to in Nepal with the ambulance service:



Your Future



A degree from the Faculty of Medical Sciences is an investment in your future. We have excellent graduate recruitment figures and Medical Sciences graduates are amongst the most sort after graduates in the UK and globally, ensuring you're a step ahead when it comes to securing your dream job. The skills we give our graduates enable them to go on to a wide variety of successful careers and further study. To find out more about careers in your subject of interest, visit our course pages.

Careers Service

Our award-winning Careers Service is one of the largest in the country and we have strong links with employers in the region and across the UK. We provide an extensive range of opportunities that are tailored to your individual needs, helping you make the right choices to make you a successful graduate. This could be finding a graduate scheme, embarking on further studies, or even starting your own business!

You are encouraged to engage with the Careers Service from your first year to get the most out of the opportunities available. As a medical sciences student there are opportunities available that could include:

- Internships
- Placement year
- Work shadowing
- Study abroad
- Insight days.

(Due to the professional accreditation of some of our courses, you may not be able to take a placement year. Full details on our course info pages.)

The Graduate Framework

We want you to leave higher education feeling empowered, creative, and ready to take on the world. The University has created the Graduate Framework to help you identify and develop the key skills and attributes that can shape your future.

The Graduate Framework will help you to:

- recognise the skills and attributes you already have and identify those you need to develop
- reflect on your experiences and the value you are gaining from them
- find further opportunities to develop your own set of attributes.

Academic School Career Support

Each academic school within the Faculty of Medical Sciences at Newcastle University has their own experts to give advice and guidance on your future.

Awarded

5 QS Stars

for Inclusiveness 2022

Medicine

We provide specialist careers advice from undergraduate level through to foundation training, to help you move confidently from student to doctor.

Pharmacy

During your time with us you'll be introduced to employers within the sector as well as completing placements throughout your MPharm degree.

Biomedical, Nutritional and Sport Science

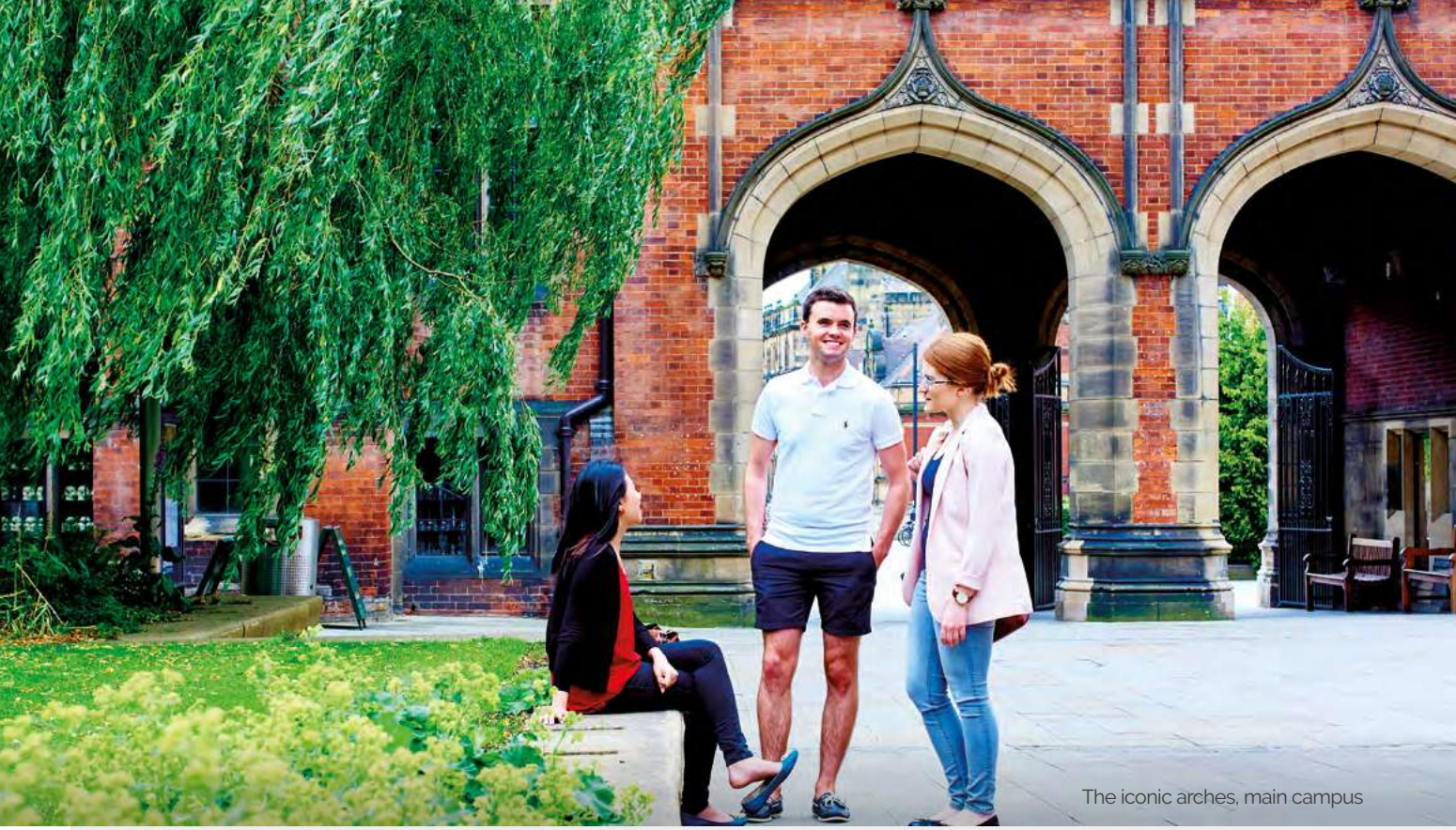
We provide many opportunities for you to improve your skills and increase your employability. The skills developed during your degree will equip you with the skills for a wide range of graduate careers.

Dentistry

Dentistry is a flexible career and selecting one branch does not mean that you cannot venture into others later in your career. Advice to help you make the appropriate choice is available from your tutor as well as other members of staff and through our links with Health Education England.

Psychology

The skills you will learn will be applicable to a range of careers and our degrees have a focus on graduate employability and psychological literacy.



The iconic arches, main campus

Student **voices**

Our students are at the heart of everything we do. Hear from our current students on their experiences of studying Medical Sciences at Newcastle University.

My favourite clinic would probably be my conservation clinic which I have on my Tuesday mornings, this is basically doing fillings and scaling's. The clinicians are really supportive, and there's a really nice atmosphere between the students and staff!

Alice
Dentistry

I think so far in the course learning anatomy and physiology, essentially learning where things are and how things work has been really quite interesting! I found it really satisfying that questions I had from A level on how things work, such as why caffeine stops you from being tired, have been answered in a way that I just love.

Chris
Medicine

There are really great facilities within the Medical School; there's four labs which you will end up spending quite a bit of time in and it's a great environment to consolidate the learning from you lectures and put it into practice.

Imogen
Biomed

4th in the UK for local life

(Whatuni Student Choice Awards 2020)

I really like how there is a mixture of modules, and they're not just dietetic-only modules, we do some modules with nutrition students, biomedical sciences students so it's really nice to meet different people and to get different perspectives.

Millie
Dietetics

Explore our undergraduate degrees and find the best fit for you.

How do you decide which is the right degree programme for you? You may want to think about your interests: do you want to work with people on a daily basis? Might you prefer working in labs as you are fascinated by medical research? Or perhaps a mixture of both?

It helps to think about the career you plan to go into, as our programmes have a number of different pathways. Many of our programmes help you develop a wide range of skills which make you employable across different, exciting fields. Some of our programmes are vocational and equip you for a certain rewarding career, in Medicine or Dentistry for example.

Explore our undergraduate degrees in the following section to find the best course for you.

Awarded

5 QS Stars

for Inclusiveness 2022

- Biomedical and Biomolecular Sciences
  - Biochemistry
  - Biomedical Genetics
  - Biomedical Sciences
  - Pharmacology
  - Physiological Sciences
- Dentistry
- Dietetics
- Human Nutrition
  - Human Nutrition
  - Nutrition with Food Marketing
- Medicine
- Dental Therapy
- Pharmacy
- Psychology
  - Psychology
  - Cognitive Science
- Sport and Exercise Science
  - Sport and Exercise Science

Biochemistry

BSc Honours
MSci Honours

At a glance

UCAS code
BSc – C700
MSci – C701

Entry requirements:
A Level: AAB
IB: 34 points

Course duration:
Full time: 3 years or 4 years

Professional accreditation:
Royal Society of Biology
Advanced Accredited Degree

Top 10

6th in the UK
The Guardian University Guide 2025 (Biomedical Science category)

Course overview

Our Biochemistry BSc course is a three-year degree within the School of Biomedical, Nutritional and Sport Sciences.

This degree focuses on the molecular basis of living processes with an emphasis on understanding cell and molecular processes in health and disease.

Key topics include:

- DNA replication, recombination and repair
- Cell signalling and the cell cycle
- Proteins; function, enzymes, transport and analysis
- Biochemistry of cancer, chronic diseases and gene expression
- Applied and integrated biochemistry.

All of our Biomedical and Biomolecular Sciences courses have a common stage 1 and will give you a broad introduction to biomolecular sciences. We combine biomolecular subject modules using lecture teaching, alongside a complementary professional and practical skills module including laboratory practicals and seminar classes.

With a common stage 1 you can choose to switch between the biomolecular degree programmes at the end of the year. From stage 2 you will begin to specialise in your Biochemistry topics, applying your knowledge into practical work and in stage 3 completing a biochemistry-based research project aligned with your interests.

Please note this course does not qualify you to become an NHS Biomedical Scientist.

Course features

- Study abroad as part of your degree - You can spend up to a year studying at a partner institution overseas or one semester at our branch campus in Malaysia
- Get career ready with a professional placement in, or outside of your bioscience field - spending 9 to 12 months working in industry
- Benefit from cutting edge research and teaching laboratories, a dedicated medical library and high-tech computing and software facilities
- Insights from and contact with regional bio-industry companies
- Class sizes in stage 2 are small with lectures of no more than 60 students
- Lab Assistant Scheme – stage 2 students can apply for a paid job working 8 hours a week in one of our research labs
- Final Year Project - Learn from Researchers who are world-leading experts in their field
- Practical lab work - perfect for honing your skills and preparing for your future career
- Summer Research placements - gain extra research experience and work alongside our world-leading academics doing funded research work.

Find out more

What you will study

Stage 1	Stage 2	Stage 3	MSci
• Biochemistry • Cell Biology • Genetics • Microbiology and Immunology • Pharmacology • Physiology • Professional and Practical Skills for Bioscientists.	• Biochemistry and Genetics of Signalling and the Cell Cycle • DNA Replication, Recombination and Repair • Protein Enzymes • Protein Trafficking and Biological Membranes • Advanced Protein Analysis • Essential Biomedical Research Skills • Control of Eukaryotic Gene Expression • Cell and Molecular Biology of the Immune System.	• Applied Biochemistry • Biochemistry of Cancer and Chronic Diseases • Biochemistry of Gene Expression • Integrated Biochemistry *Optional Modules (one of these selected):* • Bioethics • Bioinformatics • Business Enterprise for the Bioscientist • Health and Illness: Professional and Societal Perspectives • Research in Physiological Sciences • Science Communication. *You'll also complete a research project in an area linked to your degree that interests you in your final year.*	For the Integrated Masters Programme you select two Masters level modules to study in semester 1 alongside part time genetics research project work. Semester 2 is full time on your research project, giving you the opportunity to fully immerse yourself in research for a longer period.

Graduates destinations

A large proportion of our graduates choose to take a further degree either a medical, master's, PhD or teaching qualification, before embarking on permanent employment. Examples of the studies include:

- Dental Sciences, BDS
- PGCE (Post Graduation Certificate in Education)
- Ph.D Nanomedicine and Antimicrobial drug delivery
- Intellectual Property Law, MSc
- MSc Biochemistry
- Physician Associate Studies, MSc.

Recent employers

- Elkington + Fife
- FujiFilm Diosynth Biotechnologies
- GlaxoSmithKline (GSK)
- Leica Biosystems
- NHS
- Johnson and Johnson
- QuantuMDx.

"You are being taught by experts in the field who are excited to share their research with you, it makes being engaged so much easier."

Olivia
Biochemistry student

Full details of the modules on offer will be published by Programme Regulations and Specification ahead of each academic year. This usually happens in May and may be subject to change. Please check our website for more details.

Biomedical Genetics

UCAS code
BSc – B901
MSci – B903

BSc Honours
MSci Honours

At a glance

Entry requirements:
A Level: AAB
IB: 34 points

Course duration:
Full time: 3 years or 4 years

Professional accreditation:
Royal Society of Biology
Advanced Accredited Degree

6th in the UK
The Guardian University Guide 2025 (Biomedical Science category)

Course overview

Biomedical Genetics is the study of inheritance. You will develop your scientific and experimental skills to understand how DNA helps determine our individual characteristics and how mutations and changes can lead to disease.

Key topics include:

- Evolution
- Cytogenetics
- Bioinformatics
- Cancer Biology.

All of our Biomedical and Biomolecular Sciences courses have a common stage 1 and will give you a broad introduction to biomolecular sciences. We combine biomolecular subject modules using lecture teaching, alongside a complementary professional and practical skills module including laboratory practicals and seminar classes.

With a common stage 1 you can choose to switch between the biomolecular degree programmes at the end of the year. From stage 2 you will begin to specialise in your Biomedical genetics topics, applying your knowledge into practical work and in stage 3 completing a genetics-based research project aligned with your interests.

Please note this course does not qualify you to become an NHS Biomedical Scientist.

Course features

- Benefit from cutting edge research and teaching laboratories, a dedicated medical library and high-tech computing and software facilities.
- Class sizes in stage 2 are small with lectures never exceeding 60 students
- Lab Assistant Scheme – stage 2 students can apply for a paid job working 8 hours a week in one of our research labs
- Final Year Project - Learn from researchers who are world-leading experts in their field
- Study abroad as part of your degree - You can spend up to a year studying at a partner institution overseas or one semester at our branch campus in Malaysia
- Get career ready with a professional placement in, or outside of your bioscience field - spending 9 to 12 months working in industry
- Practical lab work time - perfect for honing your skills and preparing for your future career
- Learn from world-leading genetics researchers at the International Centre for Life
- Summer Research placements - gain extra research experience and work alongside our world-leading academics doing funded research work.

Find out more

What you will study

Stage 1	Stage 2	Stage 3
• Biochemistry • Cell Biology • Genetics • Microbiology and Immunology • Pharmacology • Physiology • Professional and Practical Skills for Bioscientists.	• Approaches to analysis of genes and genomes • Biochemistry and Genetics of Signalling and the Cell Cycle • Cell and Molecular Biology of the Immune System • Control of Eukaryotic Gene Expression • DNA Replication, recombination and Repair • Essential Biomedical Research Skills • Evolution • Medical genomics: from DNA to disease.	• Diagnostic Medical Genetics • Evolution and Genomics, • Genetic variation in common disease • Genetics of Development and its Disorders • Integrated Genetics • The Molecular Basis of Cancer • Optional Modules (one of these selected): • Bioethics • Bioinformatics • Business Enterprise for the Bioscientist • Health and Illness: Professional and Societal Perspectives • Research in Pharmacological Sciences • Science Com • You'll also complete a research project in an area linked to your degree that interests you in your final year.

Graduates destinations

A large proportion of our graduates choose to take a further degree either a medical, master's, PhD or teaching qualification, before embarking on permanent employment.

Examples of the studies include:

- NHS Scientist Training Programme; Genomic Counselling
- MBBS, Medicine
- MSc, Clinical Science, Genomics, University of Manchester
- MSc, Molecular Genetics with Biotechnology, Lund University
- PhD, Cancer cytogenetics
- Physician Associate Studies, MSc.

Recent graduates have taken up roles such as:

- Brand Manager, Pharmaceuticals
- Biomedical Scientist
- Production Technologist
- NHS Graduate Management Trainee
- Health Care Assistant
- Research Scientist
- Finance Assistant
- Quality Assurance Analyst.

Recent employers

- DN Capital
- Eurostar
- Fujifilm Diosynth Biotechnologies
- Manchester University Foundation Trust NHS
- Microsoft
- Newcells Biotech
- NHS
- Thermo Fisher Scientific.

"I worked as a lab assistant in the prostate cancer group lab and I got to see and try new techniques and I got to see the insides of how researchers work and how research is conducted."

Imi
Biomedical Genetics Student on her lab assistant experience.

Full details of the modules on offer will be published by Programme Regulations and Specification ahead of each academic year. This usually happens in May and may be subject to change. Please check our website for more details.

Biomedical Sciences

BSc Honours
MSci Honours

UCAS code
BSc – B940
MSci – B900

At a glance

Entry requirements:
A Level: AAB
IB: 34 points

Course duration:
Full time: 3 years to 5 years

Professional accreditation:
Royal Society of Biology
Advanced Accredited Degree

Top 10

6th in the UK
The Guardian University Guide 2025 (Biomedical Science category)

Course overview

Biomedical Sciences is the study of body functions in health and disease. Our degree is multidisciplinary and combines a range of disciplines:

- Immunology, Health and Disease
- Genetics and Disease
- Ageing and Health
- Epidemiology
- Microbiota and pathogens
- Medical Biotechnology
- Chronic Disease
- Cancer Biology and Therapy
- Nervous System Disorders.

Our biomedical and biomolecular sciences courses are divided into two phases. Phase 1 is shared by all degree topics and will give you a broad introduction to biomolecular sciences with compulsory modules such as Biochemistry, Genetics and Cell Biology being amongst some of the compulsory modules.

This common first Phase gives you a solid grounding in the key principles of Biomolecular Sciences to take forward into Phase 2 of your degree and allows you to switch between degree programmes at the end of your first year.

Please note this course does not qualify you to become an NHS Biomedical Scientist.

Course features

- Study abroad as part of your degree - You can choose to spend up to a year studying at a partner institution overseas
- Get career ready with a professional placement in, or outside of your bioscience field - spending 9 to 12 months working in industry
- Summer Research placements - gain extra research experience and work alongside our world-leading academics doing funded research work
- Benefit from cutting edge research and teaching laboratories, a dedicated medical library and high-tech computer cluster study spaces
- Tailor your degree through module choices from stage 2.
- Lab Assistant Scheme – stage 2 students can apply for a paid job working 8 hours a week in one of our research labs
- Final Year Project - Learn from Researchers who are world-leading experts in their field
- Practical lab work time - perfect for honing your skills and preparing for your future career.

Find out more

What you will study

Stage 1	Stage 2	Stage 3	MSci
• Biochemistry • Cell Biology • Genetics • Microbiology and Immunology • Pharmacology • Physiology • Professional and Practical Skills for Bioscientists.	• You study a set of compulsory biomolecular modules: • Cell and Molecular Biology of the Immune System • Control of Eukaryotic Gene Expression • Cell Biology and Disease • Essential Biomedical Research Skills • Human Anatomy • Practical and Presentation Skills in Biomedical sciences You choose two modules (one from each pair) • Clinical Immunology and Viral Pathogens • The Biology of Ageing • Health and Disease at Mucosal Surfaces • Neuroscience: from Cell to Cognition.	• Integrated Biomedical Sciences • Three specialist modules chosen from these lists (one from each list): • A Genetics and Human Disease • A Immunology of Health and Disease • A Clinical Ageing and Health • B Cancer Biology and Therapy • B Disorders of the Human Nervous System • B Chronic Disease • C Epidemiology • C Medical Biotechnology • C Microbiota and Pathogens. *Optional Modules (one of these selected):* • Bioethics • Bioinformatics • Business Enterprise for the Bioscientist • Health and Illness: Professional and Societal Perspectives • Research in Pharmacological Sciences • Science Communication. *You'll also complete a research project in an area linked to your degree that interests you in your final year.*	For the Integrated Masters Programme you select two Masters level modules to study in semester 1 alongside part time genetics research project work. Semester 2 is full time on your research project, giving you the opportunity to fully immerse yourself in research for a longer period

Graduates destinations

A large proportion of our graduates choose to take a further degree either a medical, master's, PhD or teaching qualification, before embarking on permanent employment.

Examples of the studies include:

- MBBS, Medicine (Graduate entry)
- MSc Industrial and Commercial Biotechnology
- MSc Biomedical Sciences, University of Groningen
- Post Graduate Certificate in Education (PGCE)
- PhD, University of Tübingen and International Max Planck Research School
- Physician Associate Studies, MSc.

Recent graduates have taken up roles such as:

- Enhanced Healthcare Assistant
- Health Technology Assessment Analyst
- Outreach Ambassador
- Laboratory Technician
- Consultant Data Engineer
- Clinical Project Coordinator
- Healthcare Science Associate
- IUT Healthcare Advisor
- Science Teacher
- Self-employed business owner
- Research Assistant.

Recent employers

- Quantum Diagnostics
- Sodexo Healthcare
- Johnson and Johnson
- Kubrick Group
- Lloyds Banking Group
- GlaxoSmithKline (GSK)
- Iqvia Biotech
- Yorkshire Ambulance Service
- PwC.

"I have always been passionate about science and the human body, my degree offers me a way to understand many interesting process, diseases and signalling pathways of the body!"

Second year Biomedical and Biomolecular Sciences

Full details of the modules on offer will be published by Programme Regulations and Specification ahead of each academic year. This usually happens in May and may be subject to change. Please check our website for more details.

Pharmacology
BSc Honours

UCAS code
B210

At a glance

Entry requirements:
A Level: AAB
IB: 34 points

Course duration:
Full time: 3 years

Professional accreditation:
Royal Society of Biology
Accredited Degree

Top 10
6th in the UK
The Guardian University Guide 2025 (Biomedical Science category)

Top 20
12th in the UK
For Pharmacy and Pharmacology (Complete University Guide 2025)

Course overview

Our Pharmacology degree focuses on developing your practical and scientific understanding of pharmacology, toxicology and the human body. Pharmacology is the scientific study of medicines and their effects on our bodies, and you will consider drug development as well as:

- Pharmacogenetics
- Pharmacovigilance
- Toxicology.

All of our Biomedical and Biomolecular Sciences courses have a common stage 1 and will give you a broad introduction to biomolecular sciences. We combine biomolecular subject modules using lecture teaching, alongside a complementary professional and practical skills module including laboratory practicals and seminar classes.

With a common stage 1 you can choose to switch between the biomolecular degree programmes at the end of the year. From stage 2 you will begin to specialise in your pharmacological topics, applying your knowledge into lab practicals, and in stage 3 completing a pharmacological research project aligned with your interests.

Please note this course does not qualify you to become an NHS Biomedical Scientist.

Course features

- Study abroad as part of your degree - You can spend up to a year studying at a partner institution overseas or one semester at our branch campus in Malaysia
- Get career ready with a professional placement in, or outside of your bioscience field - spending 9 to 12 months working in industry
- Benefit from cutting edge research and teaching laboratories, a dedicated medical library and high-tech computing and software facilities
- Class sizes in stage 2 are smaller with Pharmacology lectures no more than 60
- Insights from and contact with regional pharmacology related companies
- Lab Assistant Scheme – stage 2 students can apply for a paid job working 8 hours a week in one of our research labs
- Final Year Project - Learn from Researchers who are world-leading experts in their field
- Practical lab work time - perfect for honing your skills and preparing for your future career
- Summer Research placements - gain extra research experience and work alongside our world-leading academics doing funded research work.

Find out more

What you will study

Stage 1	Stage 2	Stage 3
• Biochemistry • Cell Biology • Genetics • Microbiology and Immunology • Pharmacology • Physiology • Professional and Practical Skills for Bioscientists.	• Cardiovascular Pharmacology • Cell and Molecular Biology of the Immune System • Control of Eukaryotic Gene Expression • Drug Disposition and Pharmacokinetics • Essential Biomedical Research Skills • Membrane Transport and Cell Signalling in Health and Disease • Systems Pharmacology.	• Advanced Pharmacogenetics • Carcinogenesis and Anticancer Drugs • Drug Discovery and Development • Advanced Topics in Neuropharmacology • Toxicology • Integrated Pharmacology Optional Modules (one of these selected): • Bioethics • Bioinformatics • Business Enterprise for the Bioscientist • Health and Illness: Professional and Societal Perspectives • Research in Pharmacological Sciences • Science Communication • You'll also complete a research project in an area linked to your degree that interests you in your final year.

Graduates destinations

Graduate jobs

A large proportion of our graduates choose to take a further degree either a medical, master's, PhD or teaching qualification, before embarking on permanent employment.

Examples of the studies include:

- MSc Healthcare Leadership
- MRes, Experimental Medicine (Cancer)
- MBBS, Medicine (Graduate entry)
- MSc Computer Science, Newcastle University
- Ph.D in Pharmacology, University of Cambridge Cancer Centre
- Physician Associate Studies, MSc
- Post Graduate Certificate in Education (PGCE).

Recent graduates have taken up roles such as:

- Outreach Reach Coordinator
- R&D Associate on Future Leadership Programme
- Medical Lab Assistant
- Pharmacology Consultant
- Clinical Trial Assistant
- Science Project Coordinator
- Physician Associate.

Recent employers

- Fox Chase Cancer Center, Philadephia
- GlaxoSmithKline
- Marden Limited
- Labcorp
- Panthera Biopartners
- NHS
- GAMA Healthcare Ltd
- Rolls Royce.

"I originally enrolled to study Biomedical Sciences but enjoyed the Pharmacology module in first year so much I decided it was the degree for me! I found the content fascinating, particularly the modules that focused on Drug Discovery and Development. The course developed both my academic and practical skills, preparing me for further study on an MRes and then onto a PhD."

Ashleigh
Pharmacology Graduate

Full details of the modules on offer will be published by Programme Regulations and Specification ahead of each academic year. This usually happens in May and may be subject to change. Please check our website for more details.

Physiological Science
BSc Honours

UCAS code
B100

At a glance

Entry requirements:
A Level: AAB
IB: 34 points

Course duration:
Full time: 3 years or 4 years

Professional accreditation:
Royal Society of Biology
Accredited Degree

Top 10

6th in the UK
The Guardian University Guide 2025 (Biomedical Science category)

Course overview

Our Physiological Sciences course is a three-year degree within the School of Biomedical, Nutritional and Sport Sciences.

This degree investigates how cells, tissues and organs integrate and function to form a healthy human body. You will cover key topics that include:

- molecular and cellular processes regulating the integrated homeostasis of human organ systems
- severe pathophysiological conditions such as heart or lung disease, ageing, congenital disease, and neurodegeneration
- Genetic conditions affecting body systems
- Ageing and neurodegenerative effects.

All of our Biomedical and Biomolecular Sciences courses have a common stage 1 and will give you a broad introduction to biomolecular sciences. We combine biomolecular subject modules using lecture teaching, alongside a complementary professional and practical skills module including laboratory practicals and seminar classes.

With a common stage 1 you can choose to switch between the biomolecular degree programmes at the end of the year. From stage 2 you will begin to specialise in your

Physiological Sciences topics in smaller cohorts, applying your knowledge into practical work and in stage 3 completing a physiology-based research project aligned with your interests.

Please note this course does not qualify you to become an NHS Biomedical Scientist.

Course features

- Study abroad as part of your degree - You can spend up to a year studying at a partner institution overseas or one semester at our branch campus in Malaysia
- Get career ready with a professional placement in, or outside of your bioscience field - spending 9 to 12 months working in industry
- Summer Research project - gain extra research experience and work alongside our world-leading academics on a funded summer research project
- Benefit from cutting edge research and teaching laboratories, a dedicated medical library and high-tech computing and software facilities
- Get involved with Physiology Friday; explain your subject to the public and improve your communication skills
- Class sizes in stage 2 are small with lectures of no more than 60 students
- Lab Assistant Scheme – stage 2 students can apply for a paid job working 8 hours a week in one of our research labs
- Final Year Project - Learn from researchers who are world-leading experts in their field
- Practical lab work time - perfect for honing your skills and preparing for your future career.

Find out more

What you will study

Stage 1	Stage 2	Stage 3
• Biochemistry • Cell Biology • Genetics • Microbiology and Immunology • Pharmacology • Physiology • Professional and Practical Skills for Bioscientists.	• Cardiovascular System Physiology • Cell and Molecular Biology of the Immune System • Control of Eukaryotic Gene Expression • Essential Biomedical Research Skills • Human Anatomy for Physiologists • Membrane Transport and Cell Signalling in Health and Disease • Molecular Physiology and Pathophysiology • Renal and Respiratory Physiology.	• Integrated Physiology • Physiology of the Gastrointestinal Tract 1 • Physiology of the Gastrointestinal Tract 2 • Physiology of the Nervous System *Optional Modules (one of these selected):* • Bioethics • Bioinformatics • Business Enterprise for the Bioscientist • Health and Illness: Professional and Societal Perspectives • Research in Physiological Sciences • Science Communication. You'll also complete a research project in an area linked to your degree that interests you in your final year.

Graduates destinations

A large proportion of our graduates choose to take a further degree either a medical, Master's, PhD or teaching qualification, before embarking on permanent employment.

Examples of the studies include:

- Cardiovascular Science in Health and Disease MRes
- MBBS, Medicine
- Midwifery
- Intellectual Property Law
- MSc (Master of Science)
- NSHCS Scientist Training Programme
- PhD, Human Nutrition.

Recent graduates have taken up roles such as:

- Microbiological Labatory Assistant
- Overseas Operations Coordinator
- Skin Cancer Navigator
- Self-employed business owner
- Science Teacher
- Translational and Clinical Research Assistant.

Recent employers

- Acculabs Diagnostics
- Azenta Life Sciences, Quebec
- Chase Medical
- National Institute Health Research
- NHS
- Pathological Society
- Waitrose.

"Physiological Science provided me with knowledge of the physiology involved in the organ systems relevant to my role, so I am now able to focus on applying my knowledge to the clinical setting."

John
Physiological Sciences, NHS Clinical Scientist (NSHCS –STP)

Full details of the modules on offer will be published by Programme Regulations and Specification ahead of each academic year. This usually happens in May and may be subject to change. Please check our website for more details.

Dietetics
MDiet

UCAS code
B401

At a glance

Entry requirements:
A Level: AAB-ABB
IB: 32-34 points

Course duration:
Full time: 4 years

Professional accreditation:
British Dietetic Association (BDA) accreditation

hcpc health & care professions council

Course overview

Dietitians are experts in nutrition; they are qualified health professionals that assess, diagnose and treat diet and nutrition problems at an individual and wider public health level.

Our integrated four-year masters' will give you the skills needed to progress your career as a Dietitian. Key topics include:

- Therapeutic diets
- Clinical medicine
- Consultation skills
- Professional practice.

You will be based in the Dame Margaret Barbour Building our new state-of-the-art facilities which includes:

- Food Handling Lab
- Sensory Analysis Suite
- Consultation Suite
- Phlebotomy Lab.

Central to this course will be your work placements, also known as practice placements. These are integrated through all four years of your degree, and you will benefit from experiences within the NHS as well as charities and industry partners.

Learn from academic and clinical experts; their work has a huge impact on public and nutrition science research.

Course features

- Outstanding facilities – based in the Dame Margaret Barbour Building
- Embedded research and clinical simulation – dedicated facilities to engage with researchers at Newcastle University
- Diverse work placements – within the NHS, industry partners and charities
- Professional accreditation – from the BDA
- Interprofessional learning – with peers from Pharmacy and Speech and Language Therapy
- Visiting Guest Lectures – learn from world experts in nutrition and dietetics.

Find out more

What you will study

Stage 1	Stage 2	Stage 3	Stage 4
Compulsory Module • Microbiology and Immunology • Food Studies • Introduction to Dietetics • Fundamental Principles of Genetics and Biochemistry for Nutrition • Human Physiology and Practical Skills for Nutrition • Introduction to Nutrition • Bioenergetics.	**Compulsory Modules** • Health and Illness: Professional and Societal Perspectives • Health Psychology and Behavioural Change • Applied Therapeutic Diets • Macro- and Micronutrients • Foods Science and Technology • Nutrition Through the Lifecycle • Measurement and Assessment of Dietary Intake and Nutritional Status.	**Compulsory Modules** • Clinical Medicine and Dietetic Practice • Dissertation • Consultation Skills for Dietetics • Personalised Nutrition • Nutritional Epidemiology and Public Health.	**Compulsory Modules** • Professional Practice in Dietetics • Quality Improvement and Service Redesign • Practice-based Learning for Dietitians • Masters Research Project.

Graduates destinations

Your future

As registered health care professionals, the practise of dietitians is very broad. A significant proportion of graduates will go on to work in the National Health Service in the UK or similar settings overseas, in both acute and community settings.

They may specialise in working with particular age groups, or clinical conditions, for example paediatrics, gastroenterology, renal, or critical care.

Dietitians also work with populations, through influencing food and public health policy, working with industry and also with the media. Dietitians may also work in education and research, to contribute to the growing evidence base for the practise of dietetics.

"My favourite module so far is on Applied Therapeutic diets which is the second year. This module is where you really begin to feel like a Dietitian, and feel you are equipped to start carrying out some parts of the Nutrition and Dietetic care process, ready for placement."

Millie
Stage three Dietetics student

Full details of the modules on offer will be published by Programme Regulations and Specification ahead of each academic year. This usually happens in May and may be subject to change. Please check our website for more details.

Human Nutrition
BSc Honours

UCAS code
B46D / B4D6

At a glance

Entry requirements:
A Level: ABB
IB: 32 points

Course duration:
Full time: 3 years or 4 years

Professional accreditation:
Association for Nutrition Accreditation

Top 10

7th in the UK
The Complete University Guide 2025 (Food Science category)

Course overview

Join a degree that examines the relationship between diet and health and is informed by cutting edge research at Newcastle University.

Registered Nutritionists provide evidence-based information and guidance in Public Health Nutrition, Food and Nutritional Science. Our degree is professionally accredited by the Association for Nutrition which means graduates can apply for direct entry into the UK Voluntary Register of Nutritionists at the Registered Associate (ANutr) level.

You will study a wide range of sciences on the Human Nutrition degree course including:

- Human Physiology
- Genetics and Biochemistry
- Microbiology and Immunology
- Bioenergetics.

You will also study nutrition science specific subjects such as:

- Macro- and Micronutrients
- Nutrition Through the Lifecycle
- Personalised Nutrition.

Our Human Nutrition degree also covers other sciences as well as employability including:

- Behaviour Change
- New Product Development
- Applied Sport and Exercise Nutrition
- Nutrition Enterprise and Careers Skills.

You can take a placement year between stages 2 and 3 on this degree giving you the opportunity to apply your learning in a professional setting. In your final year, you will undertake a nutrition-focused research project which will further develop your research, analytical and written skills, preparing you for your future career.

Course features

- Association for Nutrition accredited degree
- Opportunity to attend a national food and nutrition conference
- Third-year research project on an area of interest
- Optional year in industry or study abroad
- Small class sizes
- State-of-the-art facilities in our new Dame Margaret Barbour Building.

Find out more

What you will study

Stage 1	Stage 2	Stage 3
Compulsory Modules • Microbiology and Immunology • Food Studies • Fundamental Principles of Genetics and Biochemistry for Nutrition • Human Physiology and Practical Skills • Introduction to Nutrition • Practical Skills for Nutrition • Bioenergetics.	**Compulsory Modules** • New Food Product Development • Communication and Behaviour Change • Macro- and Micronutrients • Food Science and Technology • Nutrition Through the Lifecycle • Measurement and Assessment of Dietary Intake and Nutritional Status • Applied Sport and Exercise Nutrition.	**Compulsory Modules** • Research Project • Contemporary Issues in Food and Human Nutrition • Personalised Nutrition • Nutritional Epidemiology and Public Health. **Optional Modules** • Eating and Weight Disorders • Make Sense of Forgotten senses: Investigating Olfaction and Gustation • Nutrition Enterprise and Career Skills • Allergens and the Food Industry.

Graduates destinations

Recent graduates from our Nutrition courses:

Alexa – R&D Manager Flavours and Seasoning, PepsiCo International

"I have used the skills to progress from a process development technician to my current role as R&D Project Manager. My job involves managing development of new seasonings and flavours for snack foods, overseeing the whole process from concept to launch. I am thoroughly enjoying the opportunity to work for a global company, this opportunity was a result of the vast experience gained during my placement year."

Human Nutrition "is a comprehensive and rewarding course that aims to equip students with the skills, knowledge and experience needed to succeed within this dynamic and rapidly growing field."

Angelyn
Human Nutrition student

Full details of the modules on offer will be published by Programme Regulations and Specification ahead of each academic year. This usually happens in May and may be subject to change. Please check our website for more details.

Nutrition with Food Marketing
BSc Honours

UCAS code
BD46 / BD64

At a glance

Entry requirements:
A Level: ABB
IB: 34 points

Course duration:
Full time: 3 years or 4 years

Professional accreditation:
Association for Nutrition Accreditation

Top 10

7th in the UK
The Complete University Guide 2025 (Food Science category)

Course overview

Our Nutrition with Food Marketing course is a three-year degree within the School of Biomedical, Nutritional and Sport Sciences.

Our degree is professionally accredited by the Association for Nutrition which means our graduates can apply for direct entry into the UK Voluntary Register of Nutritionists at the Registered Associate (ANutr) level. By studying this course, you will understand the links between diet and health whilst also exploring how nutrition plays a role within the food marketing industry.

Key topics that you will study include:

- Nutrition
- Physiology
- Marketing
- Consumer Behaviour
- Food Studies.

You can take a placement year between stages 2 and 3 on this degree; giving you the opportunity to apply your learning in a professional setting. In your final year you will undertake a subject-specific research project Which will further develop your research, analytical and written skills, preparing you for your future career.

Course features

- Association for Nutrition accredited degree
- Opportunity to attend a national food and nutrition conference
- Third-year research project on an area of interest
- Optional year in industry or study abroad
- Small class sizes
- State-of-the-art facilities in our new Dame Margaret Barbour Building.

Find out more

What you will study

Stage 1	Stage 2	Stage 3
Compulsory Modules • Food Studies • Introduction to Marketing and Consumer Behaviour • Introductory Business Economics • Human Physiology and Practical Skills for Nutrition • Introduction to Nutrition • Practical Skills for Nutrition • Bioenergetics.	**Compulsory Modules** • Marketing Strategy • New Food Product Development • Marketing and Public Policy • Macro- and Micronutrients • Food Science and Technology • Nutrition Through the Lifecycle • Measurement and Assessment of Dietary Intake and Nutritional Status.	**Compulsory Modules** • Data and Marketing Analytics • Communication and Behaviour Change • Research Project • Personalised Nutrition • Nutritional Epidemiology and Public Health. **Optional Modules** • Eating and Weight Disorders • Making sense of forgotten senses: Investigating Olfaction and Gustation • Nutrition Enterprise and Career Skills • Allergens and the Food Industry • Contemporary Issues for Food and Human Nutrition • Applied Sport and Exercise Nutrition.

Graduates destinations

Recent graduates from our Nutrition courses:

Katy – Sensory Technologist, Nestle Health Science

I completed my industrial placement year at Samworth Brothers, a large food manufacturing company spread around the UK. I got great exposure to all aspects of the food industry, working in Quality, Process and New Product Development departments. A highlight of the placement was developing and launching my own product for Tesco's. I am so glad the placement year was a compulsory part of the course and I think my university studies would have been incomplete without it.

Full details of the modules on offer will be published by Programme Regulations and Specification ahead of each academic year. This usually happens in May and may be subject to change. Please check our website for more details.

Sport and Exercise Science
BSc Honours

UCAS code
C600

At a glance

Entry requirements:
A Level: AAB-ABB
IB: 32-34 points

Course duration:
Full time: 3 - 4 years

Professional accreditation:
BPS accreditation (British Psychological Society)

Top 20

13th in the UK
The Complete University Guide 2025 (Sports Science)

Course overview

Our popular three-year degree is science focused.

You'll learn foundational scientific knowledge before learning how to apply this in the field of sport and exercise. Key topics include:

- Physiology
- Nutrition
- Psychology
- Biomechanics.

As the first UK university to offer Sport and Exercise in a Medical Faculty, you will receive a specialist approach to teaching. Students spend time in our anatomy and dissecting suite; exploring the skeletal, cardiovascular and respiratory systems using cadavers.

In the third year, students undertake a research project in an exciting area of sport and exercise science. All staff are active researchers in their areas of expertise and students have lots of opportunities for exposure to cutting edge research during their projects.

Course features

- £32 million investment in sport and exercise science facilities – including biomechanics lab, physiology lab, gait track, high performance suite and an environmental chamber
- Third year research project - previous research projects have included digital technology in sport and exercise, cancer and exercise and recovery interventions
- Optional year in industry or study abroad – students have worked for Southampton FC, Welsh Rugby Union, John Lewis and Newcastle Falcons … to name a few!
- Medical sciences focus – practical sessions in human anatomy in medical school dissecting room
- Partnership with Team Newcastle and local performances clubs – including Newcastle United, Newcastle Eagles and Newcastle Falcons
- Work with performance athletes from Newcastle University
- Small class sizes meaning a great student experience.

Find out more

What you will study

Stage 1	Stage 2	Stage 3
Compulsory Modules • Human Physiology and Practical Skills • Physical Activity, Nutrition and Health • Bioenergetics • Introduction to Biomechanics • Anatomy • Introduction to Sport and Exercise Psychology.	**Compulsory Modules** • Principles of Strength and Conditioning • Applied Sport and Exercise Psychology • Applied Sport and Exercise Nutrition • Research Methods for Sport and Exercise Science • Exercise Physiology • Applied Biomechanics.	**Compulsory Modules** • Sport and Exercise Science Research Project • Sport and Exercise Medicine • Factors Affecting Elite Performance • Lifestyle and Disease • Career Development for the Sport and Exercise Scientist.

Graduates destinations

Students benefit from a specialist module in stage 3 in Career Development for Sport and Exercise Scientists. Graduates can go on to work in:

- National governing bodies
- UK Institutes of Sport
- Professional sports clubs
- Pharmaceutical and food and drink industries
- Health services
- Education.

Recent job titles

- Clinical scientist
- Exercise Physiologist
- Trainee Echocardiographer
- Health Advisor
- Sports Scientist
- Assistant Commerical Manager
- Head of Sports Science.

Recent employers

- BUPA
- The British Oxygen Company Ltd
- NHS
- DISK (Injury Clinic)
- AB Scientific
- Okkulo
- Warrendale Wague.

"The course is based within the medical faculty which allows for a strong, scientific approach to the disciplines covered, as well as giving access to unique experiences, such as studying cadavers in the dissection labs."

Second year SES student

Full details of the modules on offer will be published by Programme Regulations and Specification ahead of each academic year. This usually happens in May and may be subject to change. Please check our website for more details.

Dental Surgery
BDS Hons

UCAS code
A206

At a glance

Entry requirements:
A Level: AAA
IB: 36 points

Course duration:
Full time: 5 years

Professional accreditation:
General Dental council (GDC) accreditation

Top 10

5th in the UK
The Complete University Guide 2025 (Dentistry category)

Course overview

Studying our BDS programme will set you up for a rewarding career in Dentistry.

Our 5-year programme combines the core medical sciences you need to learn, with exciting clinical opportunities.

Our staff are also researchers and practising clinicians, meaning you will get expert teaching and opportunities to get involved in the cutting-edge research taking place at Newcastle.

You will learn in Newcastle Dental School and Dental Hospital, which is in the City Centre as part of one of the largest integrated medical teaching facilities in the UK. Our facilities include modern clinics in conservative dentistry, prosthodontic, oral and maxillofacial surgery, children's dentistry, and orthodontics; vibrant lecture theatres, clinical skills and technical teaching units; and cutting-edge research laboratories devoted to cell and molecular biosciences, and dental materials.

In year 4 you will have the option to organise a 2-week elective. You'll have the chance to focus on a particular area of interest or to travel the world and experience Dentistry outside of the UK healthcare system.

Course features

- Highly ranked degree programme in the UK and Globally
- Fantastic teaching and research facilities
- Small cohort of 80 students per year
- Integrated learning and clinical practice alongside dental therapy students
- Clinical teaching throughout years 3, 4 and 5, managing your own caseload of patients
- Summer elective opportunity in year 4
- Varied teaching methods
- Supervision of clinical activity by practising general dentists, specialists, and consultants.

Find out more

What you will study

Stage 1	Stage 2	Stage 3	Stage 4 and 5
• cell biology • metabolism and homeostasis • anatomy of the head and neck • interpersonal skills and communication • dental physiology • neurobiology.	• immunology and health • basic pharmacology • craniofacial and tooth biology • behavioural science • Nutrition and diet • microbiology for the dental team • dental materials science. In the later part of Stage 2, you will undertake an intensive key clinical skills course to set the foundations of clinical practice to allow you to treat your own patients in Stage 3.	In Stage 3, you'll start managing your own patients by providing simple treatment under close supervision. • You'll learn how to: • prevent disease • plan treatment • treat dental decay and place fillings • extract teeth • undertake root treatments • treat gum disease • make dentures.	• You will spend approximately half of your time on patient care and clinical dental practice, with supporting clinical-related teaching • In stages 4 and 5 you'll be exposed to advanced techniques such as orthodontics, dental implants, more complex oral and maxillofacial surgery, and intravenous sedation.

Graduates destinations

Your future

Once qualified, and subject to registration with the GDC, there are a number of different careers open to Dental Surgery graduates:

- general dental practice – most graduates initially join a 12 month NHS Dental Foundation Training Programme where you will work as a dentist, with the support of an experienced trainer to help develop your skills. Following this, many graduates continue to work independently in general dental practice
- salaried dental services –Dental Officers working in the salaried dental services often work in health centres and provide care for people who are unable to obtain care elsewhere for medical or social reasons
- further training in one of the 13 General Dental Council approved dental specialties – many dentists spend a few years gaining additional skills working in a hospital or specialist practice or may go on to pursue further training to become a specialist or hospital consultant
- teaching students and undertaking research in universities – some dentists go on to work in universities and teach dentistry to undergraduate and postgraduate students as well as undertaking research in oral and dental health and related disciplines
- Dentistry is a flexible career and selecting one particular branch does not mean that you cannot venture into others later on in your career.

Recent graduates have gone on to work as:

- NHS Dental Foundation Trainee
- NHS general dental practitioner
- NHS Dental Core Trainee
- Private general dental practitioner
- NHS Specialty Trainee.

"At Newcastle, there are a relatively small number of dental students in each year group, meaning we have been able to build close bonds with each other. I also like that we are given a lot of independence to take control of managing our own patient schedules and treatment plans. In my third year, I have particularly enjoyed making progress with my clinical skills and building confidence in a range of different dental procedures."

Alice
3rd year BDS student

Full details of the modules on offer will be published by Programme Regulations and Specification ahead of each academic year. This usually happens in May and may be subject to change. Please check our website for more details.

Dental Therapy
BSc Hons

UCAS code
A207

At a glance

Entry requirements:
A Level: ABB
IB: 32 points

Course duration:
Full time: 3 years

Professional accreditation:
General Dental Council (GDC) accreditation

Top 10

5th in the UK
The Complete University Guide 2025 (Dentistry category)

Course overview

Train for an exciting career in dental therapy with a degree in Dental Therapy from a top 10 UK university for Dentistry.

Working as a dental therapist is a rewarding and varied career and health education will be at the heart of your practice. You'll give advice and guidance to patients on looking after their oral health alongside carrying out dental procedures such as restoring teeth, treating gum problems, and extracting children's teeth to treat dental decay.

At Newcastle you will be part of a Dental School with over 125 years' history of dental education. You'll learn practical, theoretical, and professional skills that will enable you to excel in your career. Our degree will equip you to practice as a dental therapist and provide care for patients, The programme has a strong foundation in biomedical sciences, and you will study advanced topics in areas such as:

- Management and prevention of oral and dental disease
- Human disease and its impact on dental care
- Health promotion and behaviour change

This degree is professionally accredited by the General Dental Council (GDC) which means it meets the standards for dental therapy set by the dental regulator.

Course features

- Be part of a small, cohesive cohort of around 20 dental therapy students per year
- Enjoy integrated education and practice alongside dental surgery students
- Study and practice at Newcastle Dental School and Dental Hospital – part of one of the largest integrated teaching and hospital complexes in the UK
- Treat patients in at Newcastle Dental Hospital under the supervision of our expert teams, from Stage 2
- Benefit from modern dental clinics, vibrant lecture theatres, clinical skills and technical teaching units, and cutting-edge research laboratories
- Experience great staff-student relations – the care and support of our students is vital
- Take the opportunity of an optional elective end of Stage 2 to spend a few weeks studying outside Newcastle.

Find out more

What you will study

Stage 1	Stage 2	Stage 3
Study subjects which provide a foundation for clinical work in later stages. Topics include: • Dental and head & neck anatomy • Oral and dental diseases • Behavioural sciences • Physiology • Nutrition and diet • You'll also cover study skills, evidence-based practice, critical appraisal of research, professionalism and ethics, and medico-legal considerations • In term 3, you'll begin to learn clinical skills in a simulated clinical environment to develop you experience prior to treating your own patients in stage 2.	Stage 2 begins with an intensive clinical introduction course before proceeding to treating patients during clinical attachments on a variety of clinics within Newcastle Dental Hospital. This is complemented by ongoing teaching in: • Periodontal techniques • Pharmacology • Human disease • Oral and dental disease • Personal and professional development.	In stage 3 you will build on your existing clinical skills during more varied and advanced clinical attachments including: • Primary dental care outreach • Child dental health and primary dental exodontia • Periodontology • Radiology.

Graduates destinations

Graduate jobs

- Successful graduates from our Dental Therapy degree, subject to registration with the GDC, are eligible to begin working as a dental therapist
- Being a dental therapist is a rewarding career that will allow you to help your patients take care of their oral health. You will work as part of the dental team, which also involves dentists, dental nurses, and dental technicians among others, and you will be able to provide a range of treatments for oral and dental diseases as well as disease prevention
- Many therapists work in NHS or private general dental practice, but there are opportunities to work in the salaried dental services where you will care for patients who cannot access care elsewhere for medical or social reasons, in hospital dentistry, or in dental schools, providing dental education and research.

Recent graduates have gone on to work in:

- NHS dental therapist foundation training
- NHS general dental practice
- Private general dental practice
- Salaried dental services.

"The quality of teaching is outstanding, setting us up well for success with exams and for our future career. If there is ever a moment when a student doesn't quite grasp the topic, the tutors are only an email away. The support is incredible."

Liis
BSc Dental Therapy student.

Full details of the modules on offer will be published by Programme Regulations and Specification ahead of each academic year. This usually happens in May and may be subject to change. Please check our website for more details.

Medicine and Surgery
MBBS

UCAS code
A100 / A101

At a glance

Entry requirements:
A Level: AAA
IB: 36 points

Course duration:
Full time: A100 (5 year programme) A101 (4 year accelerated programme, open only to graduates and experience healthcare professionals)

Professional accreditation:
Accredited by General Medical Council (GMC)

Top 20

14th in the UK
The Guardian University Guide 2025 (Medicine category)

TOP 90

Top 90 for Medicine in the World
QS World University Rankings by Subject 2024

Course overview

Our modern and innovative MBBS curriculum follows a case-led approach, incorporating early patient contact, with immersive clinical experience in years 3-5.

In Years 1-2, you'll learn key subject areas via 25 clinical cases which put your learning into context and provide you with the essentials of medical practice. In later years you'll undergo a series of rotations, clerkships, assistantships and placements that cover all relevant areas of medicine and surgery.

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 MBBS programmes to ensure our students graduate as confident and professional clinicians. You'll benefit from almost 200 years' experience of teaching Medicine and our world-leading expertise in medical research.

Outside of the classroom, you have global opportunities including the chance to apply to study at our Malaysian Campus exchange in year 2 and a wide range of destinations as part of year 8-week elective at the end of year 4.

Course features

- Malaysia exchange – opportunity to apply to spend a semester at our branch campus in your second year
- Excellent clinical training opportunities - patient population of 3.5 million
- World class facilities - Clinical Skill 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.

Find out more

What you will study

Years 1 and 2	Years 2 - 3
• In years 1 and 2 you will learn from: • 25 clinical cases taught by a variety of interactive lectures, seminars, clinical skills and anatomy • Links with community-based practitioners and hospital visits	• In years 3 to 5 you'll progress your clinical teaching through placements in NHS trusts, GP practices, mental health trusts and community placements across the region • You'll learn through a series of rotations, clerkships, assistantships and placements that cover many areas of medicine and surgery. During this time, you'll focus on professional development and hospital- and community-based medicine. This develops your specialist knowledge, skills and professional behaviour, preparing you for your future career as a doctor • Throughout the final year two years of the programme, there will be opportunities for student choice. This includes two four-week selected components and an eight-week elective and the opportunity to study for an additional intercalated degree.

Graduates destinations

Graduate jobs

After completing your university programme, you're currently eligible to apply for provisional registration with the General Medical Council (GMC) with a licence to practise. The majority of our students decide to apply to Foundation posts within the region.

Once you have successfully 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 (F2). 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.

Recent employers

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 specialties from Anaesthetics to Urology
- Consultants
- GPs
- University Academics
- Medical Directors.

Roles outside 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.

"The medical school along with its staff and students provide a great learning environment. I always feel motivated to work. The staff are great teachers who encourage us to learn and practice our skills."

Carol
4th year MBBS

Full details of the modules on offer will be published by Programme Regulations and Specification ahead of each academic year. This usually happens in May and may be subject to change. Please check our website for more details.

Pharmacy
MPharm Honours

UCAS code
B230

At a glance

Entry requirements:
A Level: AAB
IB: 36 points

Course duration:
Full time: 3 years or 4 years with work placement or study abroad

Professional accreditation:
General Pharmaceutical Council (GPhC)

Top 20

12th in the UK
The Complete University Guide 2025 (Pharmacology and Pharmacy
Accredited by the General Pharmaceutical Council (GPhC)

Course overview

Develop the scientific, technical and communication skills required to become a pharmacist who is focussed on delivering patient centred care.

Newcastle University is the only university in the UK to teach pharmacy in a hospital setting, preparing you for your future career as a pharmacist. Ward-based training takes place in years two and three and we have links with the Freeman Hospital and the Royal Victory Infirmary (RVI).

Not only will you have clinical training in two of the region's leading hospitals, we also partner with Newcastle City Council to deliver the Health Heart Clinic. This outreach project works with the local community to give advice and guidance on public health issues.

Staff from the Newcastle Specialise Pharmacy Production Unit form part of our expert teaching faculty. This unit is dedicated is a dedicated facility for the production and quality control of medicines.

You'll start learning the fundamentals of Pharmacy in stage one, before progressing through pharmaceutical care, applied pharmaceutical interventions and targeted therapeutics.

Course features

- General Pharmaceutical Council (GPhC) accreditation
- "Health Hub" - Clinics are based across the city and campus and Pharmacy students meet the public to take blood pressure, heart assessments and advise on conditions such as hypertension
- Interprofessional teaching – withy peers from Sport and Exercise, Dentistry, Psychology and Medicine
- Ward Based learning experiences – only university in the UK
- Links to NHS hospitals – the RVI and Freeman hospital
- Graduate outcomes - 8 of 9 training places at the RVI went to Newcastle graduates last year.

Find out more

What you will study

Stage 1	Stage 2	Work placement or study abroad (N401 only)	Stage 3
• Your learning will be focused on patient-orientated problems • You'll study areas such as the normal structure and function of the human body, pharmacology and medicinal chemistry • You'll gain professional and practical skills including how to talk to patients, working within healthcare teams and simple examination skills.	• During Stage 2, you will study pharmaceutical care, such as pathology, as well as topics such as systems for medicines management • You will examine abnormal pathology and subsequent therapeutic options to deal with disease. This will be integrated with cutting-edge pharmaceutical science and continued workplace experience.	• In Stage 3, you'll study applied pharmaceutical interventions such as design and delivery and develop an understanding of how medicines are used concomitantly and how adverse effects are monitored and managed • You will explore the development of drugs from first principles, and the formulation of injections and implantable medicinal devices. You will also experience more complex patient-based cases.	• In Stage 4, you'll study targeted therapeutics such as optimisation, critique and responsibility • You will encounter complex clinical problems and examine specific areas of oncology, infection and immunology • You'll also learn about state-of-the-art formulation devices used in the delivery of chemotherapy and have the opportunity to choose an area of pharmacy to study as part of a research project.

What our graduates do

Graduate jobs

- Pharmacist
- Foundation Pharmacist
- Clinical Pharmacist
- Process Technologist
- Hospital Pharmacist
- Relief Pharmacist
- Rotational Residential Pharmacist

Employers in the private sector include:

- GSK
- AstraZeneca
- Boots
- Lincolnshire Cooperative Chemists
- Yorcare Limited
- Lloyds Pharmacy
- Karsons Pharmacy.

Students have gone on to further studies at:

- University College London
- The University of Manchester
- Newcastle University
- The University of Leeds.

"I really enjoy Pharmacy because it covers a variety of areas, and each year it is structured in a slightly different way.

I think it's a fantastic course as it gives you the opportunity to work in different areas such as community, hospital, academia, industry, just to name a few."

Cristina
MPharm Honours student

Full details of the modules on offer will be published by Programme Regulations and Specification ahead of each academic year. This usually happens in May and may be subject to change. Please check our website for more details.

Psychology
BSc Honours

UCAS code
C800

At a glance

Entry requirements:
A Level: AAA
IB: 36 points

Course duration:
Full time: 3 years or 4 years

Professional accreditation:
BPS accreditation (British Psychological Society)

Top 200 for Psychology
QS World University Rankings by Subject 2024

Course overview

Our BPS accredited degree provides you with the foundations to build a career in Psychology and beyond.

You will have the opportunity to study the key concepts and principles of Psychology, as well as a broad range of graduate skills that you will come to know as Psychological Literacy. These skills include learning how to formulate hypotheses, how to carry out psychological research, the management and visualisation of data sets and using data analysis methods. You will learn how to apply critical thinking and problem-solving skills which will be valuable for your future career.

You can choose from many optional modules in stage 2 and 3; giving you the chance to tailor your degree to your specific interests.

The School of Psychology have a strong focus on student experience and constantly developing the curriculum to provide you with a modern and relevant degree.

In the third-year students undertake a research project in an exciting area of Psychology, in which students can gain exposure to innovative research.

Course features

- Professional accredited by the British Psychological Society (BPS)
- Brand new state of the art building designed to catalyst student-led learning
- Excellent practical facilities such as a forensic interviewing suite, psychological testing cubicles and a cognition behaviour lab
- Third year research in an area of your interest utilising key skills developed in dedicated research skill modules
- The option to undertake a work placement between stage 2 and 3 and to enhance your employability
- Dedicated dissertation writing retreat for final stage students.

Find out more

What you will study

Stage 1	Stage 2	Stage 3
• Psychological Enquiry 1 – Psychological Literacy and Academic Skills • Cognitive Psychology • Sensation and Perception • History of Psychology • Personality and Mental Health • Research Methods and Data Analysis A • Research Methods and Data Analysis B • Principles of Evolution, Genetics and Behavioural Development • Foundations in Social Psychology • Foundations in Developmental Psychology.	**Compulsory Modules** • Developmental Psychology • Social Psychology • Individual Differences • Biological Psychology: Sex, Drugs, Rhythms and Blues • Psychological Enquiry 2: Principles of Psychology • Methods in Psychology 2B • Statistics for Empirical Psychology • Methods in Psychology 2A. **Optional Modules** • Career Development for second year students • Perception • Cognitive Neuroscience • The Body, the Mind and the Self-Interception in Health and Clinical Psychology • Research Skills and Development • Introduction to Comparative Cognition and Behaviour.	**Compulsory Modules** • Psychological Enquiry 3: Psychological Literacy and Professional Skills • Empirical Project. **Optional Modules** • Career Development for final year students • Consumer Psychology • Art, Mind and Brain • To Cheat or not to Cheat: The Evolution of Cooperative Behaviour • The Damaged Brain: Case Studies in Neuropsychology • Psychology of Religion • Foundations in Forensic and Criminal Psychology • The Psychology of Teaching and Learning • Eating and Weight Disorders • Clinical Sport & Exercise Psychology • Psychobiology of Drug Addiction • Sex Differences and the Brain • Cultural and Technical Intelligence: Developmental and Comparative Perspectives • Psychology for Sport Performance • Advanced statistics for Empirical Psychology • Evolution of Brain and Behaviour • Making Sense of Forgotten Senses: Investigating Olfaction and Gustation • Models of Brain Function • Neurodiversity of Development.

Graduates destinations

Throughout the degree programme, there is a strong focus on personal and professional skills. In stage 2 and 3, students can benefit from an optional career development module. Our versatile and resilient graduates can go onto work in a range of areas, including further study. Recent graduates have gone on to roles such as:

Graduate jobs

- NHS Assistant Psychologist
- NHS Clinical Psychologist
- NHS Counselling Psychologist
- Trainee Probation Officer
- Forensic Psychologist
- Research Assistant
- High Intensity CBT (Cognitive Behavioural Therapy) Therapist
- Social Care Worker.

Recent employers

- NHS
- Victim Support: Independent Victim Advocate
- HMPPS (His Majesty Prison & Probation Service)
- Barnardo's
- NEPACS.

"A very exciting opportunity within the degree is the chance to take a placement year between your second and third year. This gives you between 9 and 12 months of experience working in a relevant area, which will let you see the theory in a practical context, as well as giving you valuable professional skills and experience, which will help you stand out after graduating."

Anna
Psychology student

Full details of the modules on offer will be published by Programme Regulations and Specification ahead of each academic year. This usually happens in May and may be subject to change. Please check our website for more details.

Cognitive Science
BSc Honours

UCAS code
C859

At a glance

Important information

New for entry from September 2025, this course is still subject to full university approval. The information here is intended for guidance purposes and may change once the course is fully approved.

Scan the QR code to sign up for more information and we'll let you know when:

- the course gets full university approval
- more in-depth course information becomes available
- we can start accepting applications

Course overview

Are you curious about how the human mind functions? Are you fascinated by how people communicate effectively? Are you interested in making technology more accessible?

Cognitive Science examines the human mind and brain using a range of academic approaches and techniques.

On this interdisciplinary degree, you'll explore key cognitive functions such as:

- perception
- attention
- memory
- language

You'll study modules from Psychology, Linguistics, Computer Science, and Philosophy.

What you'll study

Stage 1
You'll be introduced to a broad base of theoretical frameworks that will set you up with a strong foundation for the rest of your degree. You'll explore cognitive psychology, language structure, philosophy, and basic skills for dealing with quantitative and computational data.

Stage 2
You'll delve deeper into language development, current theory and practice in psychological science, and applied data analysis.

You'll choose from a wide range of optional modules to focus in more depth on topics that interest you, such as social psychology, second language acquisition, philosophy of science, and experimental methods in behavioural science.

Stage 3
You'll put the knowledge and skills from Stages 1 and 2 into practice, undertaking your own research in an independent project with cross-disciplinary supervision. Alongside this, you'll take advanced modules in linguistics and psychology, with the option of integrating modules from other disciplines.

Graduates destinations

The multidisciplinary nature of this degree will result in a broad and versatile set of skills. The critical thinking, problem-solving and analytical skills you'll develop will make you an attractive hire in almost any graduate job in the contemporary job market.

Graduate jobs

- artificial intelligence or assistive technology
- data science
- user experience testing or human computer interaction
- technical and educational consulting
- healthcare roles in technology, mental health services, or administration
- behavioural science

Find out more

Start Your Journey Today

Stage 1
Do your research

Doing your research is the most important part! Make sure you:

- **Visit Open Days**
- **Chat with current students**
- **Use University websites**
- **Visit recruitment fairs**

Remember for some subjects you may need to sit the UCAT or undertake an interview, plan this into your timeline.

Stage 2
Apply

Once you have chosen your 5 courses, it is time to apply through UCAS.

Remember your Personal Statement is important and you should link your skills and experiences to the course you are applying for.

Don't forget to ask friends and family to proof read it!

Stage 3
Make your decision

After you apply, universities will make you conditional and unconditional offers. You then need to choose your firm and insurance choice. Remember, Offer Holder Experience Days are a great way to visit the university and help you make your decision.

Some top things to thing about are:

1. **Are the teaching methods right for me?**
2. **What is the student experience like?**
3. **Is this the right city for me to live and study in?**

Stage 4
Get ready for Uni!

When you've made your decision, it's time to get ready for university life!

Remember to apply for accommodation and Student Finance. You can meet other offer holders via social media and start to make friends on your course.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THE FACULTY OF MEDICAL SCIENCES

Newcastle University

Faculty of Medical Sciences

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Email us:
study.medicalsciences@ncl.ac.uk

Keep up to date:
ncl.ac.uk/medical-sciences

Disclaimers and acknowledgements

Although great care is taken in compiling this prospectus, it is for the general guidance of prospective students only. This publication is intended for those who are interested in applying for admission to the University in 2025 and is intended as advance publicity for information and guidance purposes only. The content of this publication does not form a contract between the University and a prospective student. Details included are correct at the time of publication in November 2024. The most up-to-date and detailed source of information at any time is the undergraduate website at ncl.ac.uk/undergraduate.

The matters covered by this publication are subject to change from time to time, both before and after a candidate's admission. The University reserves the right to make changes as reasonably necessary and unavoidable changes may on occasion have to be made, affecting the availability of degree programmes, subjects, modules and options within degree programmes, and of additional opportunities such as placements, field trips and exchange visits. The reasons for change could include, but are not limited to timetabling issues, changes in staff, requirements of programme-accrediting bodies, academic changes within subject areas, or due to minimum student numbers on a course. The University makes all reasonable efforts to deliver the programmes of study and other services and facilities as described in its marketing material. However, it may be necessary to make changes to its provision in response to significant disruption.

The University is not responsible for the content of any websites which do not form part of the Newcastle University domain (www.ncl.ac.uk) and whose addresses are given in this publication.

Equal opportunities

The University's Equality Strategy is our public declaration of our commitment to develop a fully inclusive University community, which recruits and retains talented staff and students from all sectors of society equally. ncl.ac.uk/who-we-are/equality

Alternative formats

For information in alternative formats on any of our courses and on student life in Newcastle, please contact Student Services. ncl.ac.uk/enquiries. The University is committed to making our website, and the material provided on it, as accessible as possible. ncl.ac.uk/info/accessibility

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